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FLEETS OF THE WORLD

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FLEETS OF THE WORLD

1915

**COMPILED FROM OFFICIAL
SOURCES AND CLASSIFIED
ACCORDING TO TYPES**

ILLUSTRATED

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A SHORT GLOSSARY OF NAVAL TERMS IN GENERAL USAGE

Abaft (Aft). Towards the stern ; behind.

Amidships. In the middle or " waist " of a ship.

Ammunition Hoist. Mechanism by which ammunition is lifted from the magazine to the gun-turret ; usually electric or hydraulic.

Armament. The guns and torpedo-tubes of a ship.

Armour. Prepared steel plates used as a protective covering, varying in strength and thickness on different types of ships. The " armour-belt " protects the vital parts of a ship ; an " armoured deck " covers the engine-room.

Barbette. The armour-protected revolving platform on which a big gun is mounted.

Battle-cruiser. A heavily armoured cruiser combining the armament of a battleship with the speed of a cruiser. The latest battle-cruisers attain a speed of 30 knots, carry eight 18·5-inch guns, and are of 28,000 tons displacement.

Battleship. Regarded as the best type of warship for a general fleet action. Heavily armoured and gunned, their speed varies from 18 knots in the older types to 25 knots in the latest types.

Beam. The breadth of a ship at the " waist " or widest part.

Boom. (i) A spar from which torpedo-nets may be hung out. (ii) A system of harbour defence.

Bridge. The raised platform for the use of navigating officers.

Broadside. The aggregate number of guns which can be brought to bear on one side of a ship.

Bulkhead. The partition which separates the various compartments into which a ship is divided, *e.g.* the watertight compartments of the hull.

Bulwarks. Any protective rail or boarding above the level of the deck.

Calibre. The diameter of the bore of a gun-barrel.

Capital Ship. A ship classed as capable of taking part in a fleet action.

Clinometer. The instrument used in gunlaying for determining the angle of elevation.

Commodore. The title given to the senior officer in command of a small squadron or flotilla.

Complement. The total number of officers and men carried on board ship.

A SHORT GLOSSARY OF NAVAL TERMS

Conning-tower. The armoured observation-chamber of a warship from which the steering or gunfire is controlled.

Control Station. The raised platform used by the range-finder and controller of gunfire on certain types of ships.

Cruiser. A ship of comparatively high speed used primarily for scouting or protection of trade routes.

Davits. Iron cranes or derricks for lowering or raising boats.

Displacement. The term denoting the weight of water "displaced" by a ship when afloat.

Draught. The depth of water which a ship draws, i.e. the distance in feet from the normal water-line to the keel.

Flotilla. The name given to squadrons of light cruisers, destroyers, or submarines.

Flotilla-leader. The largest type of T.B.D.

Foremast. The mast nearest the bow of a ship.

Gunlayer. Specially trained seaman who "lays" and fires the guns.

Knot. One sea mile = 2,026½ yards. The unit of speed for ships.

Laying. The technical term for aiming a big gun either by means of the sights or by means of the clinometer.

Leeward. The direction towards which the wind is blowing.

Lighter. A flat-bottomed vessel chiefly used for loading ships with supplies.

List, To. The term used to describe the leaning over to one side of a vessel caused by shifted ballast, inrush of water, etc.

Log. A mechanical contrivance for registering the speed of a ship.

Mainmast. The second mast from the bow of a ship.

Mine. A floating or anchored and submerged receptacle for high explosives, which is detonated by contact with the hull of a ship, or by electric contact wires controlled from the shore.

Minefield. The area over which mines have been laid or dropped.

Mine-layer. A ship fitted for laying mines.

Mine-sweeper. A ship fitted with contrivances for dragging a suspected minefield.

Mountings. The platform and controlling apparatus for big guns.

Port. The larboard or left side of a ship as seen when facing towards the bows.

Projectile. The term describing all missiles fired from the guns of a ship.

Salvo. Simultaneous discharge of several guns concentrated on one object.

Skin. The metal plates covering the sides of a ship.

A SHORT GLOSSARY OF NAVAL TERMS

Spotter. The look-out man whose duty it is to signal the exact spot on which the projectiles fired from his ship strike the target or enemy vessel.

Starboard. The right side of a ship as seen when facing towards the bows.

Stokehold. The portion of the hull of a ship containing the furnaces and boilers.

Strategy. The term denoting manœuvres carried out to secure an advantage over the enemy before an engagement.

Submarines. Under-water torpedo-boats, of which the latest can run at a speed of 16–20 knots on the surface, when they are propelled by gasoline engines, and at a speed of nearly 12 knots when submerged by means of electric motors. They are able to discharge torpedoes from tubes placed forward and aft, and the later types mount a disappearing quick-firing gun. Submersion is attained by admitting water into compartments and by lateral planes. The water is ejected by means of compressed air when it is desirable to come to the surface. Modern submarines may be over 200 feet in length, carry six or seven torpedoes (*q.v.*), and have a displacement of 600–800 tons.

Super-Dreadnought. A battleship of the "improved" Dreadnought type, carrying heavier armament than the original "all-big-gun" Dreadnought (1906).

Super-imposed Barbette. A barbette mounted above and behind another and thus enabling two tiers of guns to be trained in the same line.

Tactics. The evolutions carried out during a fight, if possible the result of successful "strategy."

Torpedo. A cigar-shaped shell, varying from 14–20 feet in length and 21 inches in diameter, discharged from submerged or above-water tubes by compressed air or a small charge of gun-cotton. The nose contains a bursting charge of 200 or 300 lb. of wet gun-cotton which is fired by a detonator on striking the target. It has an extreme range of about 7000 yards. The torpedo is propelled by twin screws driven by compressed-air engines, which are automatically started as the torpedo leaves the tube. By means of a gyroscope the course of the torpedo is automatically corrected from any deviation.

Torpedo-boat Destroyer (T.B.D.). A small vessel of high speed originally designed for the destruction of torpedo-boats, which they have now practically rendered obsolete. Modern T.B.D.s may be of 750–1100 tons displacement, attain a speed of 29–35 knots, and carry four 4-inch guns and four torpedo-tubes.

Trajectory. The curve described by a projectile from the instant it leaves the gun to the moment of impact on the target.

**COMPARATIVE TABLES OF THE LARGE-CALIBRE GUNS OF THE
GREAT FLEETS OF THE WORLD
INCLUDING SHIPS DUE FOR COMPLETION, SPRING 1915**

	15-inch	14-inch	13.5-inch	12-inch	10-inch	9.2-inch	7.5-inch	6-inch	Total
GREAT BRITAIN .	24	10	162	294	8 9/10	126	98	1,290	2,012
GERMANY . .	12-inch	11-inch*	9.4-inch	8.2-inch	6.7-inch	5.9-inch*	Total		
	124	126 1/2	46	16	140	498	950		
FRANCE . .	13.4-inch	12-inch	10.8-inch	9.4-inch	7.6-inch	6.5-inch	5.5-inch	Total	
	30	116	12 1/2	72	110	224	311	875	
RUSSIA . . .	12-inch	10-inch	8-inch	6-inch	Total				
	82	8 1/2	56	207	353				
AUSTRIA-HUNGARY	12-inch	9.4-inch	7.5-inch	5.9-inch	Total				
	48	61	43	118	270				
ITALY . . .	12-inch	10-inch	8-inch	7.5-inch	6-inch	Total			
	93	27	62	32	152	366			
UNITED STATES .	14-inch	13-inch	12-inch	10-inch	8-inch	7-inch	6-inch	5-inch	Total
	20	20	158	34 1/2	138	72	344	300	1096
JAPAN . . .	14-inch	12-inch	10-inch	8-inch	6-inch	Total			
	28	84	48 1/2	56	416	632			

COMPARATIVE TABLES OF THE GUNS AND PROJECTILES OF THE FLEETS AT WAR, AND OF THE UNITED STATES NAVY

GREAT BRITAIN		Weight of Projectile or Shell
Guns		
15-inch		2,000 lb.
13.5-inch (improved)		1,400 lb.
13.5-inch		1,250 lb.
12-inch		850 lb.
10-inch		500 lb.
9.2-inch		380 lb.
7.5-inch		200 lb.
6-inch		100 lb.

GERMANY		
12-inch (improved)		980 lb.
12-inch		860 lb.
11-inch		661 lb.
9.4-inch		419 lb.
8.2-inch		276 lb.
6.7-inch		154 lb.
5.9-inch		101 lb.

FRANCE		
12-inch		664-970 lb.
10.8-inch		476 lb.
9.4-inch		375 lb.
7.6-inch		163-185 lb.
6.5-inch		99-115 lb.
5.5-inch		77-81 lb.

RUSSIA		Weight of Projectile or Shell
Guns		
12-inch		730 lb.
10-inch		450 lb.
8-inch		192 lb.
6-inch		91 lb.

AUSTRIA-HUNGARY		
12-inch		992 lb.
9.4-inch		473 lb.
7.5-inch		213 lb.
5.9-inch		112 lb.

THE GUNS OF THE UNITED STATES NAVY		
16-inch		2,100 lb.
14-inch (improved)		1,660 lb.
14-inch		1,400 lb.
13-inch		1,180 lb.
12-inch		870 lb.
10-inch		510 lb.
8-inch		260 lb.
7-inch		165 lb.
6-inch		105 lb.

NAVAL LOSSES OF THE COMBATANT POWERS

FROM AUGUST 5, 1914, TO APRIL 15, 1915

ABBREVIATIONS : B., Battleship ; CR., Cruiser ; L.CR., Light Cruiser ; G.B., Gunboat ; SUB., Submarine ;
T.B.D., Torpedo-Boat Destroyer ; T.B., Torpedo Boat ; A.M., Armed Merchantman.

GREAT BRITAIN

Amphion (L.CR.) . Mined, August 5, 1914.
Pathfinder (L.CR.) . Torpedoed by submarine, September 5, 1914.
Pegasus (L.CR.) . Destroyed by gunfire, September 20, 1914.
Aboukir (CR.) . Torpedoed by submarine, September 22, 1914.
Hogue (CR.) . . Torpedoed by submarine, September 22, 1914.
Cressy (CR.) . . Torpedoed by submarine, September 22, 1914.
Hawke (L.CR.) . . Torpedoed by submarine, October 15, 1914.
Hermes (L.CR.) . . Torpedoed by submarine, October 31, 1914.
Good Hope (CR.) . Destroyed by gunfire, November 1, 1914.
Monmouth (CR.) . Destroyed by gunfire, November 1, 1914.
Speedy (G.B.) . . Mined, September 3, 1914.

Niger (G.B.) . . Torpedoed by submarine November 11, 1914.
A E 1 (SUB.) . . Sunk, manner unknown, September 14, 1914.
E 3 (SUB.) . . Sunk, manner unknown, October 18, 1914.
D 5 (SUB.) . . Mined, November 4, 1914.
Bulwark (B.) . . Blown up, owing to accidental ignition of ammunition, November 26, 1914.
Formidable (B.) . . Torpedoed by submarines, January 1, 1915.
Viknor (A.M.) . . Sunk, manner unknown, January 1915.
Clan McNaughton (A.M.) Sunk, manner unknown, February 1915.
Bayano (A.M.) . . Sunk, some time in March 1915.
Ocean (B.) . . Sunk by floating mine, March 18, 1915.
Irresistible (B.) . . Sunk by floating mine, March 18, 1915.

NAVAL LOSSES OF THE COMBATANT POWERS

FRANCE		GERMANY	
Zelée (G.B.) . . .	Destroyed by gunfire, September 22, 1914.	Königin Luise (A.M.)	Destroyed by gunfire, August 5, 1914.
338 (T.B.) . . .	} Collided, October 9, 1914.	U 15 (SUB) * . . .	Rammed by <i>Birmingham</i> , August 9, 1914.
347 (T.B.) . . .		Kaiser Wilhelm der Grosse (A.M.)	Destroyed by gunfire, August 26, 1914.
Mousquet (T.B.D.) . . .	Destroyed by gunfire, October 28, 1914.	Magdeburg (L.CR.) . . .	Destroyed by gunfire, August 27, 1914.
Saphir (SUB.) . . .	Sunk, manner unknown.	Mainz (L.CR.) . . .	Destroyed by gunfire, August 28, 1914.
Dague (T.B.D.) . . .	Sunk by striking Austrian mine, February 24, 1915.	Köln (L.CR.) . . .	Destroyed by gunfire, August 28, 1914.
Bouvet (B.) . . .	Sunk by floating mine, March 18, 1915.	Ariadne (L.CR.) . . .	Destroyed by gunfire, August 28, 1914.
RUSSIA		V 187 (T.B.D.) . . .	Destroyed by gunfire, August 28, 1914.
Pallada (CR.) . . .	Torpedoed by submarine, October 11, 1914.	Spreewald (A.M.) . . .	Captured, September 12, 1914.
Jemtchug (L.CR.) . . .	Torpedoed by <i>Emden</i> , October 28, 1914.	Hela (L.CR.) . . .	Torpedoed by submarine, September 13, 1914.
Donetz (G.B.) . . .	Torpedoed, October 28, 1914.	Cap Trafalgar (A.M.)	Destroyed by gunfire, September 14, 1914.
Prut (A.M.) . . .	Torpedoed, October 28, 1914.	S 126 (T.B.D.) . . .	Torpedoed by submarine, October 6, 1914.
JAPAN		S 115 (T.B.D.) . . .	Destroyed by gunfire, October 17, 1914.
Shirotaye (T.B.D.) . . .	Ran ashore, September 4, 1914.	S 117 (T.B.D.) . . .	Destroyed by gunfire, October 17, 1914.
Takachiho (L.CR.)	Torpedoed, October 17, 1914.		
No. 33 (T.B.) . . .	Mined, November 11, 1914.		

* Several German submarines are reported to have been sunk.

NAVAL LOSSES OF THE COMBATANT POWERS

GERMANY—*continued*

S 118 (T.B.D.)	. Destroyed by gunfire, October 17, 1914.	Blücher (CR.)	. Destroyed by gunfire, January 24, 1915.
S 119 (T.B.D.)	. Destroyed by gunfire, October 17, 1914.	U 8 (SUB.)	. Sunk by destroyers, March 4, 1915.
S 90 (T.B.D.)	. Interned at Shantung, October 20, 1914.	U 12 (SUB.)	. Sunk by destroyer, March 10, 1915.
Yorck (CR.)	. Mined, November 4, 1914.	Dresden (L.CR.)	. Destroyed by gunfire and explosion, March 14, 1915.
Friedrich Karl (CR.)	Sunk, manner unknown.	U 29 (SUB.)	. Sunk, March 25, 1915.
U 18 (SUB.)	. Sunk off Scottish coast, November 23, 1914.	Prince Eitel Friedrich (A.M.)	Interned, April 8, 1915.
<i>Gunboats.</i> Sunk at Tsingtau: Cormoran, Jaguar, Luchs, Iltis, Tiger, Vaterland, Tsingtau. Interned: Geier, Soden, Komet.		Kronprinz Wilhelm (A.M.)	Interned.
Berlin (A.M.)	. Interned.	AUSTRIA	
Königsberg (L.CR.)	. Bottled up in the Rufgi River, October 30, 1914.	Zenta (L.CR.)	. Destroyed by gunfire, August 16, 1914.
Emden (L.CR.)	. Destroyed by gunfire, November 9, 1914.	No. 19 (T.B.)	. Mined, August 18, 1914.
Karlsruhe (L.CR.)	. Sunk, manner unknown.	Kaiserin Elizabeth (L.CR.)	Sunk at Kiao-Chau, October 15, 1914.
Scharnhorst (CR.)	. Destroyed by gunfire, December 8, 1914.	Temes (G.B.)	. Mined, October 23, 1914.
Gneisenau (CR.)	. Destroyed by gunfire, December 8, 1914.	TURKEY	
Nürnberg (L.CR.)	. Destroyed by gunfire, December 8, 1914.	Messudiyeh (B.)	. Torpedoed by submarine B 11, December 12, 1914.
Leipzig (L.CR.)	. Destroyed by gunfire, December 8, 1914.	Medjidieh (L.CR.)	. Sunk by Russian mine, April 3, 1915.

GREAT BRITAIN

BATTLESHIPS

		Due for completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Royal Sovereign type</i>	Royal Sovereign . .	1915-16	25,750 (?)	—	Eight (?) 15-inch Twelve (?) 6-inch — —	—
	Royal Oak . .	1915-16				
	Revenge . .	1915-16				
	Resolution . .	1915-16				
	Ramillies . .	1915-16				
	Renown . .	No	—	—	—	—
	Repulse . .	particulars				
<i>Queen Elizabeth type (constructed to use oil fuel only)</i>	Queen Elizabeth . .	1915	27,500	25	Eight 15-inch Twelve (?) 6-inch Twelve 12 pounder Five torpedo tubes	—
	Warspite . .	1915				
	Valiant . .	1915				
	Barham . .	1915				
	Malaya . .	1915				

GREAT BRITAIN

BATTLESHIPS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Taken over from</i> { <i>Canada (ex Almirante Latorre)</i> . <i>Chik</i> . . . { <i>Almirante Cochrane</i> (will be re-named)	Due 1915	28,000	—	Ten 14-inch Sixteen 6-inch — —	—
<i>Agincourt type</i> . . . <i>Agincourt</i> . . .	1914	27,500	22	Fourteen 12-inch Twenty 6-inch Ten 3-inch Three torpedo tubes	1,100
<i>Erin type</i> . . . <i>Erin</i> . . .	1914	28,000	21	Ten 18.5-inch Sixteen 6-inch Four 12 pounder Five torpedo tubes	870
<i>Iron Duke type</i> . { <i>Iron Duke</i> { <i>Marlborough</i> { <i>Emperor of India</i> { <i>Benbow</i> . . .	1914 1914 1914 1914	25,000	22	Ten 18.5-inch Twelve 6-inch Two 3-inch AA guns Nine 8 pounder and machine guns Four torpedo tubes	950

GREAT BRITAIN

BATTLESHIPS—continued

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>King George V type</i>	{	Centurion . . .	1918	23,000	22	Ten 18.5-inch Sixteen 4-inch Five machine guns Three torpedo tubes	900
		Ajax . . .	1918				
		Audacious . . .	1918				
		King George V .	1912				
<i>Orion type</i>	{	Conqueror . . .	1912	22,500	21	Ten 18.5-inch Sixteen 4-inch Five machine guns Three torpedo tubes	800
		Thunderer . . .	1912				
		Orion . . .	1912				
		Monarch . . .	1912				
<i>Colossus type</i>	{	Hercules . . .	1911	20,000	21	Ten 12-inch Sixteen 4-inch Five machine guns Three torpedo tubes	780
		Colossus . . .	1911				
<i>Neptune type</i>	.	Neptune . . .	1911	19,900	21	Ten 12-inch Sixteen 4-inch Five machine guns Three torpedo tubes	780

GREAT BRITAIN

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>St. Vincent type</i>	{ St. Vincent . .	1910	19,250	21	Ten 12-inch Eighteen 4-inch Five machine guns Three torpedo tubes	780
	{ Collingwood . .	1910				
	{ Vanguard . .	1910				
<i>Bellerophon type.</i>	{ Bellerophon . .	1909	18,600	21	Ten 12-inch Sixteen 4-inch Five machine guns Three torpedo tubes	780
	{ Temeraire . .	1909				
	{ Superb . .	1909				
<i>Lord Nelson type</i>	{ Lord Nelson . .	1908	16,500	18	Four 12-inch Ten 9-2-inch Twenty-four 12 pounder Five machine guns Five torpedo tubes	860
	{ Agamemnon . .	1908				
<i>Dreadnought type</i>	Dreadnought .	1906	17,900	21	Ten 12-inch Twenty-four 12 pndr. Five machine guns Five torpedo tubes	770

GREAT BRITAIN

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>King Edward VII type</i>	Hibernia . . .	1906	16,850	18	Four 12-inch Four 9·2-inch Ten 6-inch Twelve 12 pounder Seventeen 3 pounder and machine guns Four torpedo tubes	820
	Africa . . .	1906				
	Britannia . . .	1906				
	Zealandia . . .	1905				
	King Edward VII . . .	1905				
	Commonwealth . . .	1905				
<i>Swiftsure type</i>	Dominion . . .	1905	11,800 11,985	20	Four 10-inch Fourteen 7·5-inch Fourteen 14 pounder Two 12 pounder Eight 6 pounder and machine guns Two torpedo tubes	700
	Hindustan . . .	1905				
	Swiftsure . . .	1904				
<i>Duncan type</i>	Triumph . . .	1904	14,000	19	Four 12-inch Twelve 6-inch Twelve 12 pounder Four 3 pounder and machine guns Four torpedo tubes	750
	Cornwallis . . .	1904				
	Exmouth . . .	1903				
	Russell . . .	1903				
	Albemarle . . .	1903				
	Duncan . . .	1908				

GREAT BRITAIN

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Formidable type</i>	Queen . . .	1904	15,000	18	Four 12-inch Twelve 6-inch Eighteen 12 pounder Four 8 pounder and machine guns Four torpedo tubes	780
	Prince of Wales . .	1904				
	Venerable . . .	1902				
	London . . .	1902				
	Implacable . . .	1901				
<i>Canopus type</i> .	Vengeance . . .	1902	12,950	18	Four 12-inch Twelve 6-inch Twelve 12 pounder Eight 8 pounder and machine guns Four torpedo tubes	700
	Albion . . .	1901				
	Glory . . .	1900				
	Goliath . . .	1900				
	Canopus . . .	1899				
<i>Majestic type</i> .	Illustrious . . .	1898	14,900	17	Four 12-inch Twelve 6-inch Eighteen 12 pounder Six 8 pounder and machine guns Five torpedo tubes	750
	Cæsar . . .	1898				
	Hannibal . . .	1898				
	Mars . . .	1897				
	Jupiter . . .	1897				
	Victorious . . .	1896				
	Prince George . .	1896				
	Majestic . . .	1895				
	Magnificent . .	1895				

GREAT BRITAIN BATTLE CRUISERS

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>Tiger type</i>	Tiger	.	1914	27,000	28·5	Eight 18·5-inch Sixteen 4-inch Five machine guns Two torpedo tubes	1,000
<i>Queen Mary type</i>	Queen Mary	.	1918		28		
<i>Lion type</i>	{ Princess Royal	.	1912	26,850	28·5	Eight 18·5-inch Sixteen 4-inch Five machine guns Two torpedo tubes	990
	{ Lion	.	1912				
<i>Indefatigable type</i>	{ Australia	.	1913	18,800	26·9 26	Eight 12-inch Sixteen 4-inch Five machine guns Two torpedo tubes	780
	{ New Zealand	.	1912	18,800			
	{ Indefatigable	.	1911	18,750			
<i>Invincible type</i>	{ Invincible	.	1909	17,250	26	Eight 12-inch Sixteen 4-inch Five machine guns Five torpedo tubes	780
	{ Inflexible	.	1908				
	{ Indomitable	.					

GREAT BRITAIN CRUISERS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Minotaur type</i>	Defence . . Minotaur . . Shannon . .	1909 1908	14,600	23	Four 9·2-inch Ten 7·5-inch Sixteen 12 pounder Five machine guns Five torpedo tubes	850
<i>Warrior type</i>	Achilles . . Cochrane . . Warrior . . Natal . .	1907	13,550	23	Six 9·2-inch Four 7·5-inch Twenty-nine 3 pounder and machine guns Three torpedo tubes	700
<i>Duke of Edinburgh type</i>	Duke of Edinburgh . . Black Prince . .	1906	13,550	23	Six 9·2-inch Ten 6-inch Twenty-five 3 pounder and machine guns Three torpedo tubes	700

GREAT BRITAIN

CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Devonshire type</i> .	Devonshire . . .	1905	10,850	23	Four 7.5-inch Six 6-inch Twenty-five 8 pounder and machine guns Two torpedo tubes	655
	Roxburgh . . .					
	Argyll . . .					
	Hampshire . . .					
	Carnarvon . . .					
<i>Monmouth type</i> .	Antrim . . .	1904 1904 1904 1908 1908 1904 1908 1908	9,900	23	Fourteen 6-inch Eight 12 pounder Five 8 pounder and machine guns Two torpedo tubes	530
	Suffolk . . .					
	Lancaster . . .					
	Cumberland . . .					
	Donegal . . .					
	Berwick . . .					
	Cornwall . . .					
	Essex . . .					
<i>Drake type</i> .	Kent . . .					
	Drake . . .	1908	14,100	24	Two 9.2-inch Sixteen 6-inch Twelve 12 pounder Five 8 pounder and machine guns Two torpedo tubes	900
	King Alfred . . .					
	Leviathan . . .					

GREAT BRITAIN

CRUISERS—continued

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Cressy type</i>	Euryalus	.	1904	12,000	21	Two 9·2-inch Twelve 6-inch Twelve 12 pounder Five 3 pounder and machine guns Two torpedo tubes	750
	Bacchante	.	1902				
	Sutlej	.	1902				
<i>Diadem type</i>	Amphitrite	.	1900	11,000	21		670
	Argonaut	.	1899				
	Diadem	.	1899				
	Europa	.	1898	11,000	20	Sixteen 6-inch Twelve 12 pounder Five 3 pounder and machine guns Two torpedo tubes	600
	Niobe	.	1898				
<i>Powerful type</i>	Terrible	.	1897	14,200	22	Two 9·2-inch Sixteen 6-inch Fourteen 12 pounder Fourteen 3 pounder and machine guns Four torpedo tubes	840

GREAT BRITAIN

CRUISERS—continued

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Edgar type</i>	Gibraltar	. .	1894	7,700	20	Two 9·2-inch Ten 6-inch One 12 pounder Nineteen 6 pounder, 8 pounder, and machine guns Two torpedo tubes	550
	Theseus	. .	1894	7,850			
	Grafton	. .	1898	7,850			
	Endymion	. .	1898	7,850			
	Edgar	. .	1898	7,850			
			1898	7,850			
	Crescent	. :	1898	7,700	20	One 9·2-inch Twelve 6-inch One 12 pounder Nineteen 6 pounder, 8 pounder, and machine guns Two torpedo tubes	—
	Royal Arthur	. :					

GREAT BRITAIN

LIGHT CRUISERS

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
✓ <i>Arethusa type</i>	{	Arethusa . . .	1914	3,750	29	Two 6-inch Eight 4-inch Two torpedo tubes	400
		Aurora . . .	1914				
		Undaunted . . .	1914				
		Galatea . . .	1915				
		Inconstant . . .	1915				
		Royalist . . .	1915				
		Penelope . . .	1915				
✕ <i>Calliope type</i>	{	Phaeton . . .	1915	3,800	29	Two 6-inch Eight 4-inch Two torpedo tubes	400
		Caroline . . .	1914				
		Cordelia . . .	1915				
		Carysfort . . .	1915				
		Calliope . . .	1915				
		Comus . . .	1915				
		Champion . . .	1915				
		Cleopatra . . .	1915				
∧ <i>Chatham type</i>	{	Conquest . . .	1915	5,400	25	Eight 6-inch Four machine guns Two torpedo tubes	400
		Chatham . . .	1912				
		Dublin . . .	1918				
		Southampton . . .	1912				
		Sydney . . .	1918				
Melbourne . . .	1918						

GREAT BRITAIN

LIGHT CRUISERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>*Chatham type (cont.)</i>	Nottingham . . Birmingham . . Lowestoft . .	1914 1914 1914	5,400	25	Nine 6-inch Four machine guns Two torpedo tubes	400
<i>*Weymouth type</i>	Dartmouth . . Falmouth . . Weymouth . . Yarmouth . .	1911 1911 1911 1912	5,250	25	Eight 6-inch Four machine guns Two torpedo tubes	380
<i>*Bristol type</i>	Bristol . . . Glasgow . . . Gloucester . . Liverpool . . Newcastle . .	1910	4,800	27	Two 6-inch Ten 4-inch Four machine guns Two torpedo tubes	375
<i>*Boadicea type</i>	Fearless . . . Active . . . Blonde . . . Blanche . . .	1913 1911 1911 1910	3,440 3,850	26	Ten 4-inch One machine gun Two torpedo tubes	320

GREAT BRITAIN

LIGHT CRUISERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
^c <i>Boadicea type</i> (<i>cont.</i>)	{ Bellona . . Boadicea . .	1910 1909	3,800	26	Six 4-inch One machine gun Two torpedo tubes	260
^a <i>Challenger type</i>	{ Challenger . . Encounter . .	1904 1905		21	Eleven 6-inch Nine 12 pounder Three 3 pounder and machine guns Two torpedo tubes	460
^x <i>Highflyer type</i>	{ Highflyer . . Hyacinth . .	1899 1900	5,600	20		
^y <i>Talbot type</i>	{ Isis Dido Doris Juno Diana Minerva Talbot	1897 1896	5,600	19	Eleven 6-inch Nine 12 pounder Three 3 pounder and machine guns Three torpedo tubes	460

GREAT BRITAIN

LIGHT CRUISERS—*continued*

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
^x <i>Talbot type</i> (<i>cont.</i>)	Eclipse . . .		1896	5,600	19	Five 6-inch Six 4-7-inch Nine 12 pounder Three 8 pounder and machine guns Three torpedo tubes	415
^y <i>Arrogant type</i>	{ Vindictive . . . Furious . . . }		1898	5,750	20	Ten 6-inch Nine 12 pounder (<i>Fu- rious</i> , eight 12 pounder) Three 8 pounder and machine guns Two torpedo tubes	480
^v <i>Astræa type</i>	{ Fox . . . Astræa . . . Charybdis . . . Hermione . . . }		1895 1894 1894 1894	4,860	19	Two 6-inch Eight 4-7-inch One 12 pounder Thirteen 6 pounder, 8 pounder, and ma- chine guns (<i>Hermi- one</i> , fifteen) Three torpedo tubes	314

GREAT BRITAIN

LIGHT CRUISERS—continued

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
* <i>Apollo type</i>	Brilliant	.	1898	8,600	20	Two 6-inch Six 4.7-inch Three 12 pounder	275
	Sirius	.	1892				
	Sappho	.	1898				
	Rainbow	.	1898				
<i>Sentinel type</i>	Skirmisher	.	1905	2,895	20	Nine 4-inch Two torpedo tubes	270
	Attentive	.	1906	2,670			
	Sentinel	.	1905	2,895			
	Patrol	.	1905	2,940			
	Adventure	.	1905	2,670			
	Foresight	.	1905	2,850			
	Forward	.	1905	2,850			
Y <i>Topaze type</i>	Diamond	.	1905	3,000	23	Twelve 4-inch Eight 8 pounder and machine guns Two torpedo tubes	300
	Sapphire	.	1905				
	Topaze	.	1904				
	Amethyst	.	1905				

GREAT BRITAIN

LIGHT CRUISERS—*continued*

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>^Pelorus type</i>	{	Psyche . . .	1899	2,185	20	Eight 4-inch Eleven 8 pounder and machine guns Two torpedo tubes	285
		Pyramus . . .	1899				
		Proserpine . . .	1898				
		Pelorus . . .	1897				
		Pioneer . . .	1900				
<i>^Pearl type</i>	.	Philomel . . .	1891	2,575	19	Eight 4.7-inch Twelve 8 pounder and machine guns Three torpedo tubes	220

MINE-LAYERS (LIGHT CRUISERS)

Apollo (8,400 tons)	Iphigenia (8,600 tons)
Andromache (8,400 tons)	Latona (8,400 tons)
Intrepid (8,600 tons)	Naiad (8,400 tons)
Thetis (8,400 tons)	

GREAT BRITAIN MONITORS

	Date of completion	Displacement (tons)	Speed (knots)	Armament
Humber . . . Mersey . . . Severn . . .	} 1914	1,260	11½	{ Two 6-inch guns Two 4·7-inch howitzers Four 8 pounder Six rifle-calibre guns

These shallow, well-armoured vessels, described in the *NAVY LIST* as gunboats, but known as monitors, were built by Messrs. Vickers for the Brazilian Government, and were originally named the *Javary*, *Medeira*, and *Solimões*. They were taken over by Great Britain on August 4, 1914.

TORPEDO GUNBOATS

	Date of completion	Displacement (tons)	Horse-power	Armament
Halcyon type . { { Halcyon . . . { Harrier . . . { Dryad . . .	1895 1895 1894	1,070 1,070 1,070	6,000 3,500 2,500	{ Two 4·7-inch Five 6 pounder and machine guns Four torpedo tubes

GREAT BRITAIN

TORPEDO GUNBOATS—*continued*

			Date of completion	Displacement (tons)	Horse-power	Armament
<i>Halcyon type</i> (<i>cont.</i>)	Hussar . .		1895	1,070	2,500	Two 4-7-inch Four 6 pounder guns
<i>Jason type</i>	{ Jason . .		1893	810	5,700	Two 4-7-inch Five 8 pounder and machine guns
	Antelope .		1894	810	3,500	Two 4-7-inch Four 8 pounder
	{ Circe . . Leda . .		1893	810	5,700	Two 4-7-inch Five 8 pounder and machine guns
<i>Sharpshooter type</i>	{ Gossamer .		1891	785	6,000	Two 4-7-inch Five 8 pounder and machine guns
	Skipjack .		1891	785	6,000	
	Spanker .		1891	785	3,500	
	Speedwell .		1890	785	6,000	
	Seagull .		1890	785	3,000	

GREAT BRITAIN SPECIAL VESSELS

(1) DEPOT SHIPS FOR TORPEDO-BOAT DESTROYERS

		Date of completion	Displacement (tons)	Horse-power	Armament
<i>Edgar type</i>	. St. George .	1894	7,700	12,000	Four 6-inch Eight 12 pounder
<i>Blaks type</i>	{ Blenheim .	1893	9,000	20,000	Four 6-inch Two 4-inch Six 12 pounder
	{ Blake . .	1892	9,000	20,000	Four 6-inch Four 4-inch Four 12 pounder
<i>Hecla type</i>	. Hecla .	1878	5,650	2,400	Six 4-inch
<i>Leander type</i>	. Leander . .	1885	4,880	5,000	Two 12 pounder Six 6 pounder
	Woolwich .	1913	8,880	2,600	Four 4-inch Four 12 pounder
	Venus . .	1897	5,600	8,000	Eleven 6-inch Eight 12 pounder

GREAT BRITAIN
SPECIAL VESSELS—continued
(2) DEPOT SHIPS FOR SUBMARINES

	Date of completion	Displacement (tons)	Horse-power	Armament
<i>Astræa type</i> . Bonaventure .	1894	4,860	9,000	Two 6-inch Four 4-7-inch Twelve 6 pounder and machine guns
<i>Vulcan type</i> . Vulcan . .	1891	6,620	7,200	Eight 4-7-inch Twelve 6 pounder and machine guns
<i>Halcyon type</i> . Hazard . .	1894	1,070	2,500	Two 4-7-inch Five 6 pounder and machine guns
<i>Jason type</i> . Hebe . .	1893	810	2,500	Two 4-7-inch Five 8 pounder and machine guns

Adamant, Alecto, Maidstone, Arrogant, Dolphin, Forth, Onyx, Pactolus, Rosario, Thames.

GREAT BRITAIN
SPECIAL VESSEL COMPLETING
DEPOT SHIP FOR TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Horse-power	Armament
Diligence .	—	7,100	5,000	Eight 4-inch

FLOTILLA LEADERS

Swift (2,170 tons) : Speed 37 knots, four 4-inch guns.
 Broke
 Faulknor } Purchased from Chilian Government in 1914.
 Botha

FLOTILLA LEADERS COMPLETING

Kempenfelt } Speed 31 knots, six 4-inch guns.
 Nimrod
 Tipperary
 Lightfoot
 Marksman

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS

Speed of various classes, 29-35 knots ; complement, 45-100

		Date of completion	Displacement (tons)	Armament
" M " Class	Miranda . . .	1915	1,000	Four 4-inch — —
	Minos . . .	1915		
	Manly . . .	1915		
	Mentor . . .	1915		
	Mansfield . . .	1915		
	Meteor . . .	1915		
	Mastiff . . .	1915		
	Milne . . .	1915		
	Moorsom . . .	1915		
	Morris . . .	1915		
	Matchless . . .	1915		
" L " Class	Murray . . .	1915	965	Three 4-inch One machine gun Two double torpedo tubes
	Mynga . . .	1915		
	Lafrey . . .	1914		
	Lawford . . .	1914		
	Louis . . .	1914		
	Lydiard . . .	1914		
	Loyal . . .	1914		
	Legion . . .	1914		
	Leonidas . . .	1914		
	Lucifer . . .	1914		

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

		Date of completion	Displacement (tons)	Armament
" L " Class (<i>cont.</i>)	Lance . . .	1914	965	Three 4-inch One machine gun Two torpedo tubes
	Lookout . . .	1914		
	Laurel . . .	1914		
	Liberty . . .	1914		
	Laverock . . .	1914		
	Landrail . . .	1914		
	Llewellyn . . .	1914		
	Lennox . . .	1914		
	Laertes . . .	1918		
	Lysander . . .	1918		
	Lark . . .	1918		
" K " Class	Linnet . . .	1918	981	Three 4-inch One machine gun Two torpedo tubes
	Ardent . . .	1914		
	Lynx . . .	1914		
	Midge . . .	1914		
	Owl . . .	1914		
	Porpoise . . .	1914		
	Unity . . .	1914		
	Victor . . .	1914		
	Acasta . . .	1912		
	Achates . . .	1918		
	Ambuscade . . .	1918		
	Fortune . . .	1918		

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

			Date of completion	Displacement (tons)	Armament
"K" Class (cont.)	Christopher . . .	1912	988	} 985	Three 4-inch One machine gun Two torpedo tubes
	Cockatrice . . .	1913	951		
	Contest . . .	1913	957		
	Garland . . .	1913	964		
	Shark . . .	1913			
	Sparrowhawk . . .	1913			
	Spitfire . . .	1913			
	Paragon . . .	1913	928		
	Hardy . . .	1913	908		
	Firedrake . . .	1912	767		
Lurcher . . .	1912				
Oak . . .	1912				
Acheron . . .	1911	773			
Ariel . . .	1912	763			
Archer . . .	1912	775			
Attack . . .	1912	785			
Badger . . .	1912	799			
Beaver . . .	1912	810			
Defender . . .	1912	762	} 760		
Druid . . .	1912	770			
Ferret . . .	1911	750			
Forester . . .	1912				
"I" Class	Goshawk . . .	1912			

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—continued

				Date of completion	Displacement (tons)	Armament
" I " Class (cont.)	.	Hind . . .	1911	775	Two 4-inch Two 12 pounder Two torpedo tubes	
		Hornet . . .	1912			
		Hydra . . .	1912	770		
		Jackal . . .	1912	746		
		Tigress . . .	1912	745		
		Lapwing . . .	1912			
		Lizard . . .	1912			
		Phoenix . . .	1912	765		
		Sandfly . . .	1911	750		
		" H " Class	.	Acorn . . .		1910
Alarm . . .	1911					
Brisk . . .	1911			780		
Camelion . . .	1910			747		
Comet . . .	1911					
Goldfinch . . .	1911					
Fury . . .	1912			760		
Hope . . .	1911			745		
Larne . . .	1911			730		
Lyra . . .	1911					
Martin . . .	1911					
Minstrel . . .	1912					
Nemesis . . .	1911			740		
Nerside . . .	1911					

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

			Date of completion	Displacement (tons)	Armament
" H " Class (cont.)	{	Nymphe . . .	1911	740	Two 4-inch Two 12. pounder Two torpedo tubes
		Redpole . . .	1911	720	
		Rifleman . . .	1911		
		Ruby . . .	1911	748	
		Sheldrake . . .	1911		
		Staunch . . .	1911		
" G " Class	{	Beagle . . .	1910	950	One 4-inch Three 12 pounder Two torpedo tubes
		Bulldog . . .	1910	952	
		Foxhound . . .	1910	953	
		Renard . . .	1910	918	
		Wolverine . . .	1910	914	
		Raccoon . . .	1910	918	
		Grasshopper . . .	1910	923	
		Mosquito . . .	1910	925	
		Scorpion . . .	1910	916	
		Grampus . . .	1911	975	
		Harpy . . .	1910	972	
		Basilisk . . .	1910	976	
		Pincher . . .	1910	975	
		Rattlesnake . . .	1910	938	
		Savage . . .	1910	897	
Scourge . . .	1910	922			

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

				Date of completion	Displacement (tons)	Armament		
" F " Class	{	Zulu . . .		1910	1,027	{	Two 4-inch Two torpedo tubes	
		Viking . . .		1910	1,090			
		Crusader . . .		1909	1,045			
		Nubian . . .		1909	1,062			
		Maori . . .		1909	1,085			
		Amazon . . .		1909	970	{	Five 12 pounder Two torpedo tubes	
		Saracen . . .		1909	980			
		Afridi . . .		1909	872			
		Cossack . . .		1908	885			
		Mohawk . . .		1908	865			
Tartar . . .		1908	870	{				
Ghurka . . .		1908	880					
" E " Class	{	Test . . .		1910	{	570	{	Four 12 pounder Two torpedo tubes
		Stour . . .		1910				
		Rother . . .		1905	{	540		
		Colne . . .		1905				
		Chelmer . . .		1905	{	560		
		Ouse . . .		1905				
		Liffey . . .		1905	{	550		
		Moy . . .		1905				
		Swale . . .		1905				
		Wear . . .		1905				

GREAT BRITAIN
TORPEDO-BOAT DESTROYERS—continued

				Date of completion	Displacement (tons)	Armament
" E " Class (cont.)	Ure	.	.	1905	550	Four 12 pounder Two torpedo tubes
	Garry	.	.	1905	590	
	Nith	.	.	1905	555	
	Ness	.	.	1905		
	Kale	.	.	1905	545	
	Doon	.	.	1905		
	Boyne	.	.	1905		
	Ribble	.	.	1904	590	
	Teviot	.	.	1904		
	Jed .	.	.	1905	550	
	Kennet	.	.	1905		
	Welland	.	.	1904	590	
	Derwent	.	.	1904	555	
	Waveney	.	.	1904		
	Eden	.	.	1904	540	
	Erne	.	.	1904	550	
	Ettrick	.	.	1904		
Exe	.	.	1904			
Foyle	.	.	1904	545		
Itchen	.	.	1904			
Cherwell	.	.	1904			
Dee	.	.	1904			

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

		Date of completion	Displacement (tons)	Armament
"E" Class (<i>cont.</i>)	{ Usk	1904	590	} Four 12 pounder Two torpedo tubes
	{ Arun	1904	550	
"D" Class	{ Stag	1900	345	}
	{ Cynthia	1900	} 355	
	{ Cygnet	1899		
	{ Coquette	1899	} 335	
	{ Angler	1898		
	{ Desperate	1897	} 340	
	{ Fame	1897		
	{ Mallard	1897		
"C" Class	{ Velox	1904	420	} One 12 pounder Five 6 pounder Two torpedo tubes
	{ Roebuck	1902	} 400	
	{ Greyhound	1902		
	{ Racehorse	1902		
	{ Vixen	1902		
	{ Thorn	1901	} 375	
	{ Vigilant	1901		
	{ Ostrich	1901		
	{ Falcon	1901		
	{ Leven	1899	370	
	{ Albatross	1900	430	

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

			Date of completion	Displacement (tons)	Armament
" C " Class (cont.)	Bullfinch		1901	370	One 12 pounder Five 6 pounder Two torpedo tubes
	Dove		1901		
	Vulture		1900	380	
	Kestrel		1900		
	Mermaid		1899	370	
	Cheerful		1900		
	Sylvia		1899	350	
	Violet		1898		
	Fairy		1898	380	
	Gipsy		1898		
	Osprey		1898	360	
	Bittern		1899		
	Leopard		1899	385	
	Flirt		1899	380	
	Fawn		1898		
	Flying Fish		1898	390	
	Crane		1898		
	Star		1898	390	
	Bat		1897		
	Avon		1899	360	
	Brazen		1900	390	
	Electra		1900	385	
	Recruit		1900		

GREAT BRITAIN
TORPEDO-BOAT DESTROYERS—continued

			Date of completion	Displacement (tons)	Armament
"B" Class	Bonetta	.	1909	440	Three 12 pounder Two torpedo tubes
	Albacore	.	1909		
	Arab	.	1908	470	One 12 pounder Five 6 pounder Two torpedo tubes
	Success	.	1902	885	
	Lively	.	1902	400	
	Sprightly	.	1902		
	Syren	.	1902	390	
	Myrmidon	.	1901	370	
	Kangaroo	.	1901	380	
	Peterel	.	1900	370	
	Spiteful	.	1900	395	
	Orwell	.	1900	360	
	Express	.	1902	409	Six 8 pounder Two torpedo tubes
	Panther	.	1898	390	
	Seal	.	1898	885	
	Wolf	.	1898		
	Locust	.	1898	855	
	Earnest	.	1897		
Griffon	.	1897	895		
Quail	.	1897			
Thrasher	.	1897			

GREAT BRITAIN

TORPEDO-BOAT DESTROYERS—*continued*

				Date of completion	Displacement (tons)	Armament
"A" Class	Sunfish . . .			1896	815	One 12 pounder
	Opossum . . .			1896	}	Five 6 pounder
	Ranger . . .			1896		One torpedo tube
	Lightning . . .			1896	}	One 12 pounder
	Porcupine . . .			1896		Five 6 pounder
	Wizard . . .			1899	}	Two torpedo tubes
	Zephyr . . .			1901		
	Fervent . . .			1900		
	Bruizer . . .			1895	280	One 12 pounder
						Five 6 pounder
						Two torpedo tubes
	Conflict . . .			1899	850	One 12 pounder
						Five 6 pounder
	Surly . . .			1895	810	Two torpedo tubes
						One 12 pounder
						Five 6 pounder
	Boxer . . .			1895	280	Two torpedo tubes
						One 12 pounder
						Five 6 pounder
						One torpedo tube

94 TORPEDO BOATS IN COMMISSION

GREAT BRITAIN

SUBMARINES (COMPLEMENT, 11-28)

	Date of completion	Displacement (tons)	Speed (knots)		Armament
			Surface	Submerged	
E. 17	1914	800	16	10	Two 3-inch (?) Four torpedo tubes
E. 16	1914				
E. 15	1914				
E. 14	1914				
E. 13	1914				
E. 12	1914				
E. 11	1914				
E. 10	1914				
E. 9	1914				
E. 8	1914				
E. 7	1914				
W. 1	1914	—	—	—	Two 3-inch (?) Four torpedo tubes
E. 6	1913				
E. 5	1913				
E. 4	1913				
E. 2	1913				
E. 1	1913				
D. 8	1912				
D. 7	1911				
D. 6	1912	620	16	10	Three torpedo tubes
D. 4	1911				
D. 3	1911				

GREAT BRITAIN

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Speed (knots)		Armament
			Surface	Submerged	
D. 2	1910	600	16	10	Three torpedo tubes
D. 1	1909	595			
C. 88	1910	821			
C. 87	1910				
C. 86	1910				
C. 85	1910				
C. 84	1910				
C. 83	1910				
C. 82	1909				
C. 81	1909				
C. 80	1909				
C. 29	1909	821	14	10	Two torpedo tubes
C. 28	1909				
C. 27	1909				
C. 26	1909				
C. 25	1909				
C. 24	1909				
C. 23	1909				
C. 22	1909				
C. 21	1909				
C. 20	1910	316			
C. 19	1909				
C. 18	1909				

GREAT BRITAIN

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Speed (knots)		Armament
			Surface	Submerged	
C. 17	1909	816	14	10	Two torpedo tubes
C. 16	1908				
C. 15	1908				
C. 13	1908				
C. 12	1908				
C. 10	1907				
C. 9	1907				
C. 8	1907				
C. 7	1907				
C. 6	1907				
C. 5	1906				
C. 4	1907				
C. 3	1907				
C. 2	1906				
C. 1	1906				
B. 11	1906	816	14	9	Two torpedo tubes
B. 10	1906				
B. 9	1906				
B. 8	1906				
B. 7	1906				
B. 6	1906				
B. 5	1906				
B. 4	1906				

GREAT BRITAIN

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Speed (knots)		Armament
			Surface	Submerged	
B. 3	1906	316	14	9	Two torpedo tubes
B. 1	1905				
A. 18	1908				
A. 12	1905	204	12	9	
A. 11	1905				
A. 10	1905				
A. 9	1905				
A. 8	1905				
A. 6	1905				
A. 5	1905				

SUBMARINES BUILDING

NUMBER UNCERTAIN

GREAT BRITAIN

LIST OF MERCHANT VESSELS COMMISSIONED AS H.M. SHIPS

Alsatian	Columbella	Hildebrand	Paris
Ambrose	Digby	Himalaya	Partridge
Amsterdam	Duchess of Devonshire	Hythe	Patia
Anglia	Duke of Albany	Kinfauns Castle	Patuca
Armada Castle	Duke of Cornwall	King Orry	Peel Castle
Cæsarea	Edinburgh Castle	Laconia	Ramsey
Calgarian	Empress	Laurentic	Reindeer
Calyx	Empress of Asia	Louvain	Riviera
Cambria	Empress of Britain	Macedonia	Roedean
Campania	Empress of Japan	Mairi	Rowan
Caribbean	Empress of Russia	Mantua	Royal Scot
Carmania	Engadine	Marmora	Sarnia
Caronia	Eskimo	Motagua	Scotia
Carron	Fiona	Newmarket	Snacfell
Cedric	Folkestone	Orama	Tara
Celtic	Gazelle	Oropesa	Teutonic
Changuinola	Hazel	Orotava	Victorian
City of Belfast	Heroic	Otranto	Virginian
Clacton	Hilary	Otway	Woodnut

INDIAN MARINE (COMMISSIONED AS H.M. SHIPS)

Dalhousie	Hardinge	Minto
Dufferin	Lawrence	Northbrook

AUSTRALIA BATTLE CRUISER

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Australia	1913	18,800	26	Eight 12-inch Sixteen 4-inch Two torpedo tubes	780

CRUISERS

Melbourne	1913	5,400	25	Eight 6-inch Four 8 pounder Two torpedo tubes	400
Sydney	1913				
Brisbane (completing)	—				
Encounter	1906	5,880	20	Eleven 6-inch Nine 12 pounder Two torpedo tubes	454
Pioneer	1900	2,200	20	Eight 4-inch Eleven 8 pounder Two torpedo tubes	235

GREAT BRITAIN

AUSTRALIA—*continued*

TORPEDO-BOAT DESTROYERS

Built { Parramatta
Yarra
Warrego

Building { Derwent
Swan
Torrens

1 SUBMARINE

2 GUNBOATS

CANADA CRUISERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Niobe	1899	11,000	20	Sixteen 6-inch Twelve 12 pounder Two torpedo tubes	600
Rainbow	1898	3,600	19	Two 6-inch Six 4-7-inch Four torpedo tubes	275

8 SUBMARINES BUILDING

GREAT BRITAIN

MISCELLANEOUS VESSELS

Coastguard Cruisers : Argus, Julia, Safeguard, Squirrel, Thrush, Watchful.

Despatch Vessel : Alacrity.

Oil-carrying Vessels : Attendant, Carol, Ferol, Isla, Kharki, Olympia, Petroleum, Servitor, Trefoil, Turmoil.

Repair Ships : Assistance, Cyclops, Reliance.

Sloops : Alert, Algerine, Cadmus, Clio, Espiègle, Odin, Racer, Rinaldo, Shearwater, Torch, Vestal, Wildfire.

Gunboats : Blazer, Bloodhound, Bramble, Britomart, Bustard, Drudge, Dwarf, Kinsha, Kite, Moorhen, Nightingale, Plucky, Raven, Ringdove, Robin, Sandpiper, Snipe, Spey, Tay, Teal, Thistle, Widgeon, Woodcock, Woodlark.

Special Service : Aquarius, Ark Royal, Attentive, Firequeen, Hearty, Imogene, Impérieuse, Magnet, Seahorse, Sphinx, Traveller, Wallaroo.

Surveying Ships : Daisy, Endeavour, Esther, Fantome, Merlin, Mutine, Research, Sealark, Triton, Tyne.

784 AUXILIARY SMALL CRAFT

LIST OF SHIPS IN THE BRITISH NAVY, INCLUDING AUSTRALIAN AND CANADIAN SHIPS

The following abbreviations in brackets are used throughout the alphabetical list :

B. Battleship.
B.CR. Battle Cruiser.
CR. Cruiser.
D.S. Depot Ship.
D.S.S. Depot Ship for Sub-
marines.

D.V. Despatch Vessel.
FLOT. L. Flotilla Leader.
G.B. Gunboat.
L.CR. Light Cruiser.
R.S. Repair Ship.
S. Sloop.

S.S. Stationary Ship.
S.S.V. Special Service Vessel.
T.B.D. Torpedo-boat Destroyer.
T.G.B. Torpedo Gunboat.
T.S.S. Torpedo School Ship.

	PAGE		PAGE		PAGE		PAGE
ACASTA (T.B.D.) . . .	40	Amazon (T.B.D.) . . .	44	Attack (T.B.D.) . . .	41	Blanche (L.CR.) . . .	29
Achates (T.B.D.) . . .	40	Ambuscade (T.B.D.) . . .	40	Attentive (L.CR.) . . .	57	Blazer (G.B.) . . .	57
Acheron (T.B.D.) . . .	41	Amethyst (L.CR.) . . .	32	Audacious (B.) . . .	19	Blenheim (D.S.) . . .	36
Achilles (CR.) . . .	24	Amphitrite (CR.) . . .	26	Aurora (L.CR.) . . .	28	Blonde (L.CR.) . . .	29
Acorn (T.B.D.) . . .	42	Andromache (L.CR.) . . .	33	Australia (B.CR.) . . .	23	Bloodhound (G.B.) . . .	57
Actæon (T.S.S.) . . .	62	Angler (T.B.D.) . . .	46	Avon (T.B.D.) . . .	47	Boadicea (L.CR.) . . .	30
Active (L.CR.) . . .	29	Antelope (T.G.B.) . . .	35			Bonaventure (D.S.S.) . . .	37
Adamant (D.S.S.) . . .	37	Antrim (CR.) . . .	25	BACCHANTE (CR.) . . .	26	Bonetta (T.B.D.) . . .	48
Adventure (L.CR.) . . .	32	Apollo (L.CR.) . . .	33	Badger (T.B.D.) . . .	41	Botha (FLOT. L.) . . .	38
Africa (B.) . . .	21	Aquarius (D.S.) . . .	57	Barham (B.) . . .	17	Boxer (T.B.D.) . . .	49
Afridi (T.B.D.) . . .	44	Arab (T.B.D.) . . .	48	Basiliak (T.B.D.) . . .	43	Boyne (T.B.D.) . . .	45
Agamemnon (B.) . . .	20	Archer (T.B.D.) . . .	41	Bat (T.B.D.) . . .	47	Bramble (G.B.) . . .	57
Agincourt (B.) . . .	18	Ardent (T.B.D.) . . .	40	Beagle (T.B.D.) . . .	43	Brazen (T.B.D.) . . .	47
Ajax (B.) . . .	19	Arethusa (L.CR.) . . .	28	Beaver (T.B.D.) . . .	41	Brilliant (L.CR.) . . .	32
Alacrity (D.V.) . . .	57	Argonaut (CR.) . . .	26	Bellerophon (B.) . . .	20	Brisbane (L.CR.) . . .	55
Alarm (T.B.D.) . . .	42	Argyll (CR.) . . .	25	Bellona (L.CR.) . . .	30	Briak (T.B.D.) . . .	42
Albacore (T.B.D.) . . .	48	Ariadne (CR.) . . .	62	Benbow (B.) . . .	18	Bristol (L.CR.) . . .	29
Albatross (T.B.D.) . . .	46	Ariel (T.B.D.) . . .	41	Berwick (CR.) . . .	25	Britannia (B.) . . .	21
Albemarle (B.) . . .	21	Ark Royal (S.S.V.) . . .	57	Birmingham (L.CR.) . . .	28	Britomart (G.B.) . . .	57
Albion (B.) . . .	22	Arrogant (D.S.S.) . . .	37	Bittern (T.B.D.) . . .	47	Broke (FLOT. L.) . . .	38
Algerine (S.) . . .	57	Arun (T.B.D.) . . .	46	Black Prince (CR.) . . .	24	Bulldog (T.B.D.) . . .	43
Alecto (D.S.S.) . . .	37	Astræa (L.CR.) . . .	31	Blake (D.S.) . . .	36	Bullfinch (T.B.D.) . . .	47
Alert (S.) . . .	57					Bustard (G.B.) . . .	57

GREAT BRITAIN

LIST OF SHIPS IN THE BRITISH NAVY—continued

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CADMUS (S.)	57	Coquette (T.B.D.)	46	Drake (CR.)	25	FAIRY (T.B.D.)	47
Cæsar (S.)	22	Cordelia (L.CR.)	28	Dreadnought (S.)	20	Falcon (T.B.D.)	46
Calliope (L.CR.)	28	Cormorant (S.S.)	62	Drudge (G.B.)	57	Falmouth (L.CR.)	29
Cameleon (T.B.D.)	42	Cornwall (CR.)	25	Druid (T.B.D.)	41	Fame (T.B.D.)	46
Canada (S.)	18	Cornwallis (S.)	21	Dryad (T.G.B.)	34	Fantome (S.S.V.)	57
Canopus (S.)	22	Cossack (T.B.D.)	44	Dublin (L.CR.)	28	Faulknor (FLOT. L.)	38
Carnarvon (CR.)	25	Crane (T.B.D.)	47	Duke of Edinburgh (CR.)	24	Fawn (T.B.D.)	47
Caroline (L.CR.)	28	Crescent (CR.)	27	Duncan (S.)	21	Fearless (L.CR.)	29
Carysfort (L.CR.)	28	Crusader (T.B.D.)	44	Dwarf (G.B.)	57	Ferret (T.B.D.)	41
Centurion (S.)	19	Cumberland (CR.)	25			Fervent (T.B.D.)	49
Challenger (L.CR.)	30	Cyclops (S.S.)	57	EAGLE (S.S.)	62	Firedrake (T.B.D.)	41
Champion (L.CR.)	28	Cygnets (T.B.D.)	46	Earnest (T.B.D.)	48	Firequeen (S.S.V.)	57
Charybdis (L.CR.)	31	Cynthia (T.B.D.)	46	Eclipse (L.CR.)	31	Flagard (S.S.)	62
Chatham (L.CR.)	28			Eden (T.B.D.)	45	Flirt (T.B.D.)	47
Cheerful (T.B.D.)	47	DAISY (S.S.V.)	57	Edgar (CR.)	27	Flying Fish (T.B.D.)	47
Chelmer (T.B.D.)	44	Dartmouth (L.CR.)	29	Egmont (S.S.)	62	Foresight (L.CR.)	32
Cherwell (T.B.D.)	45	Dee (T.B.D.)	45	Electra (T.B.D.)	47	Forester (T.B.D.)	41
Christopher (T.B.D.)	41	Defence (CR.)	24	Emperor of India (S.)	18	Forth (D.S.S.)	37
Circe (T.G.B.)	35	Defender (T.B.D.)	41	Encounter (L.CR.)	30	Fortune (T.B.D.)	40
Cleopatra (L.CR.)	28	Defiance (S.S.)	62	Endeavour (S.S.V.)	57	Forward (L.CR.)	32
Clio (S.)	57	Derwent (T.B.D.)	45	Endymion (CR.)	27	Fox (L.CR.)	31
Cochrane (CR.)	24	Desperate (T.B.D.)	46	Erin (S.)	18	Foxhound (T.B.D.)	43
Cockatrice (T.B.D.)	41	Devonshire (CR.)	25	Erne (T.B.D.)	45	Foyle (T.B.D.)	45
Collingwood (S.)	20	Diadem (CR.)	26	Espiegle (S.)	57	Furious (L.CR.)	31
Colne (T.B.D.)	44	Diamond (L.CR.)	32	Essex (CR.)	25	Fury (T.B.D.)	42
Colossus (S.)	19	Diana (L.CR.)	30	Esther (S.S.V.)	57		
Comet (T.B.D.)	42	Dido (L.CR.)	30	Ettrick (T.B.D.)	45	GALATRA (L.CR.)	28
Commonwealth (S.)	21	Diligence (D.S.)	38	Europa (CR.)	26	Ganges (S.S.)	62
Comus (L.CR.)	28	Dolphin (D.S.S.)	37	Euryalus (CR.)	26	Garland (T.B.D.)	41
Conflict (T.B.D.)	49	Dominion (S.)	21	Excellent (S.S.)	62	Garry (T.B.D.)	45
Conqueror (S.)	19	Donegal (CR.)	25	Exe (T.B.D.)	45	Ghurka (T.B.D.)	44
Conquest (L.CR.)	28	Doon (T.B.D.)	45	Exmouth (S.)	21	Gibraltar (CR.)	27
Contest (T.B.D.)	41	Doris (L.CR.)	30	Express (T.B.D.)	48	Gipsy (T.B.D.)	47
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GREAT BRITAIN

LIST OF SHIPS IN THE BRITISH NAVY—continued

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Gloucester (L.C.R.) . . .	29	Imogene (S.S.V.) . . .	57	Laforey (T.B.D.) . . .	39	Lowestoft (L.C.R.) . . .	38
Goldfinch (T.B.D.) . . .	42	Imperieuse (S.S.V.) . . .	57	Lancaster (CR.) . . .	25	Loyal (T.B.D.) . . .	39
Goliath (S.) . . .	22	Implacable (S.) . . .	22	Lance (T.B.D.) . . .	40	Lucifer (T.B.D.) . . .	39
Goshawk (T.B.D.) . . .	41	Impregnable (S.S.) . . .	62	Landrail (T.B.D.) . . .	40	Lurcher (T.B.D.) . . .	41
Gossamer (T.G.B.) . . .	35	Inconstant (L.C.R.) . . .	28	Lapwing (T.B.D.) . . .	42	Lydiard (T.B.D.) . . .	39
Grafton (CR.) . . .	27	Indefatigable (B.C.R.) . . .	23	Lark (T.B.D.) . . .	40	Lynx (T.B.D.) . . .	46
Grampus (T.B.D.) . . .	43	Indomitable (B.C.R.) . . .	23	Larne (T.B.D.) . . .	42	Lyra (T.B.D.) . . .	42
Grasshopper (T.B.D.) . . .	43	Indus (S.S.) . . .	62	Latona (L.C.R.) . . .	33	Lysander (T.B.D.) . . .	46
Greyhound (T.B.D.) . . .	46	Inflexible (B.C.R.) . . .	23	Laurel (T.B.D.) . . .	40		
Griffin (T.B.D.) . . .	48	Intrepid (L.C.R.) . . .	33	Laverock (T.B.D.) . . .	40	MAGNET (S.S.V.) . . .	57
		Invincible (B.C.R.) . . .	23	Lawford (T.B.D.) . . .	39	Magnificent (S.) . . .	22
HALCYON (T.G.B.) . . .	34	Iphigenia (L.C.R.) . . .	33	Leander (D.S.) . . .	36	Maidstone (D.S.S.) . . .	37
Hampshire (CR.) . . .	25	Iron Duke (S.) . . .	18	Leda (T.G.B.) . . .	35	Majestic (S.) . . .	22
Hannibal (S.) . . .	22	Isis (L.C.R.) . . .	30	Legion (T.B.D.) . . .	39	Malaya (S.) . . .	17
Hardy (T.B.D.) . . .	41	Itchen (T.B.D.) . . .	45	Lennox (T.B.D.) . . .	40	Mallard (T.B.D.) . . .	46
Harpy (T.B.D.) . . .	43			Leonidas (T.B.D.) . . .	39	Manly (T.B.D.) . . .	39
Harrier (T.G.B.) . . .	34	JACKAL (T.B.D.) . . .	42	Leopard (T.B.D.) . . .	47	Mansfield (T.B.D.) . . .	39
Hazard (D.S.S.) . . .	37	Jason (T.G.B.) . . .	35	Leven (T.B.D.) . . .	46	Maori (T.B.D.) . . .	44
Hearty (S.S.V.) . . .	57	Jed (T.B.D.) . . .	45	Leviathan (CR.) . . .	25	Markham (FLOT. L.) . . .	38
Hebe (D.S.S.) . . .	37	Juno (L.C.R.) . . .	30	Liberty (T.B.D.) . . .	40	Marlborough (S.) . . .	18
Hecle (D.S.) . . .	36	Jupiter (S.) . . .	22	Liffey (T.B.D.) . . .	44	Mars (S.) . . .	22
Hercules (S.) . . .	19			Lightfoot (FLOT. L.) . . .	38	Martin (T.B.D.) . . .	42
Hermione (L.C.R.) . . .	31	KALE (T.B.D.) . . .	45	Lightning (T.B.D.) . . .	49	Mastiff (T.B.D.) . . .	39
Hibernia (S.) . . .	21	Kangaroo (T.B.D.) . . .	48	Linnets (T.B.D.) . . .	40	Matchless (T.B.D.) . . .	39
Highflyer (L.C.R.) . . .	30	Kempfenfelt (FLOT. L.) . . .	38	Lion (S.C.R.) . . .	23	Melbourne (L.C.R.) . . .	29
Hind (T.B.D.) . . .	42	Kennet (T.B.D.) . . .	45	Lively (T.B.D.) . . .	48	Mentor (T.B.D.) . . .	39
Hindustan (S.) . . .	21	Kent (CR.) . . .	25	Liverpool (L.C.R.) . . .	29	Merlin (S.) . . .	57
Hope (T.B.D.) . . .	42	Kestrel (T.B.D.) . . .	47	Lizard (T.B.D.) . . .	42	Mermaid (T.B.D.) . . .	47
Hornet (T.B.D.) . . .	42	King Alfred (CR.) . . .	25	Llewellyn (T.B.D.) . . .	40	Mersey (S.B.) . . .	34
Humber (G.B.) . . .	34	King Edward VII (S.) . . .	21	Locust (T.B.D.) . . .	48	Meteor (T.B.D.) . . .	39
Hussar (T.G.B.) . . .	35	King George V (S.) . . .	19	London (S.) . . .	22	Midge (T.B.D.) . . .	40
Hyacinth (L.C.R.) . . .	30	Kinsha (S.B.) . . .	57	Lookout (T.B.D.) . . .	40	Milne (T.B.D.) . . .	39
Hydra (T.B.D.) . . .	42	Kite (S.B.) . . .	57	Lord Nelson (S.) . . .	20	Minerva (L.C.R.) . . .	30

GREAT BRITAIN

LIST OF SHIPS IN THE BRITISH NAVY—continued

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Miranda (T.B.D.)	39	Osprey (T.B.D.)	47	Queen Mary (B.CR.)	23	St. GEORGE (D.S.)	36
Mohawk (T.B.D.)	44	Ostrich (T.B.D.)	46			St. Vincent (B.)	20
Monarch (B.)	19	Ouse (T.B.D.)	44			Sandfly (T.B.D.)	42
Moorhen (G.B.)	57	Owl (T.B.D.)	40			Sapphire (L.CR.)	32
Moorsom (T.B.D.)	39			RACONORSE (T.B.D.)	46	Sappho (L.CR.)	32
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Mosquito (T.B.D.)	43	Panther (T.B.D.)	48	Racoon (T.B.D.)	43	Savage (T.B.D.)	43
Moy (T.B.D.)	44	Paragon (T.B.D.)	41	Rainbow (CR.)	32	Scorpion (T.B.D.)	43
Murray (T.B.D.)	39	Parramatta (T.B.D.)	56	Ramillies (B.)	17	Scourge (T.B.D.)	43
Mutine (S.)	57	Patrol (L.CR.)	32	Rattlesnake (T.B.D.)	43	Seagull (T.G.B.)	35
Myngs (T.B.D.)	39	Pelorus (L.CR.)	33	Raven (G.B.)	57	Seahorse (S.S.V.)	57
Myrmidon (T.B.D.)	48	Pembroke (S.S.)	62	Recruit (T.B.D.)	47	Sealark (S.S.V.)	57
		Penelope (L.CR.)	28	Redpole (T.B.D.)	43	Seal (T.B.D.)	48
NAIAD (L.CR.)	33	Peterel (T.B.D.)	48	Reliance (B.S.)	57	Sentinel (L.CR.)	32
Natal (CR.)	24	Phæton (L.CR.)	28	Renard (T.B.D.)	43	Severn (G.B.)	34
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Neptune (B.)	19	Phoenix (T.B.D.)	42	Repulse (B.)	17	Shark (T.B.D.)	41
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Newcastle (L.CR.)	29	Plucky (G.B.)	57	Revenge (B.)	17	Sirius (L.CR.)	32
New Zealand (B.CR.)	23	Pomone (S.S.)	62	Ribble (T.B.D.)	45	Skipjack (T.G.B.)	35
Nightingale (G.B.)	57	Porcupine (T.B.D.)	49	Rifleman (T.B.D.)	43	Skirmisher (L.CR.)	32
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Niobe (CR.)	26	Powerful (S.S.)	62	Ringdove (G.B.)	57	Spanker (T.G.B.)	35
Nith (T.B.D.)	45	President (S.S.)	62	Roebuck (T.B.D.)	46	Sparrowhawk (T.B.D.)	41
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GREAT BRITAIN

LIST OF SHIPS IN THE BRITISH NAVY—continued

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Star (T.B.D.)	47	Test (T.B.D.)	44	Ure (T.B.D.)	45	Wallaroo (L.CR.)	57
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				Vulture (T.B.D.)	47	Zulu (T.B.D.)	44

A LIST OF STATIONARY SHIPS

Acton and Acton II, Torpedo School, Sheerness
 Ariadne, for Training of Stokers, Portsmouth
 Columbine, Flagship, Rosyth
 Cormorant, Flagship, Gibraltar
 Defiance, Torpedo School, Devonport
 Eagle, Water Street, Liverpool
 Egmont, Flagship, Malta
 Excellent, Gunnery School, Portsmouth
 Flagard, Boy Artificers, Portsmouth
 Ganges, Training Ship, Harwich

Impregnable, Training Ship, Devonport
 Indus, Boy Artificers, Devonport
 Pembroke, Flagship, Chatham
 Pomone, Dartmouth
 Powerful, Training Ship, Devonport
 President, Blackfriars, Admiralty Service
 Vernon, Torpedo School, Portsmouth
 Victory, Flagship, Portsmouth
 Vivid, Depot, Devonport
 Wildfire, Depot, Sheerness



H.M.S. " AGINCOURT "
Battleship

Abraham

PLATE II



H.M.S. "ERIN"
Rattleship

Cribb



Cribb

H.M.S. "IRON DUKE"
Battleship



H.M.S. "KING GEORGE V"
Battleship

Cribb



H.M.S. "ORION"
Battleship

Cribb

PLATE VI



H.M.S. " COLOSSUS "
Battleship



H.M.S. " NEPTUNE "
 Battleship

Cribb

PLATE VIII



C166

H.M.S. " ST. VINCENT "
Battleship



H.M.S. " BELLEROPHON "
Battleship

Cribb

PLATE X



H.M.S. "LORD NELSON"
Battleship

Cribb



H.M.S. "DREADNOUGHT"
Battleship

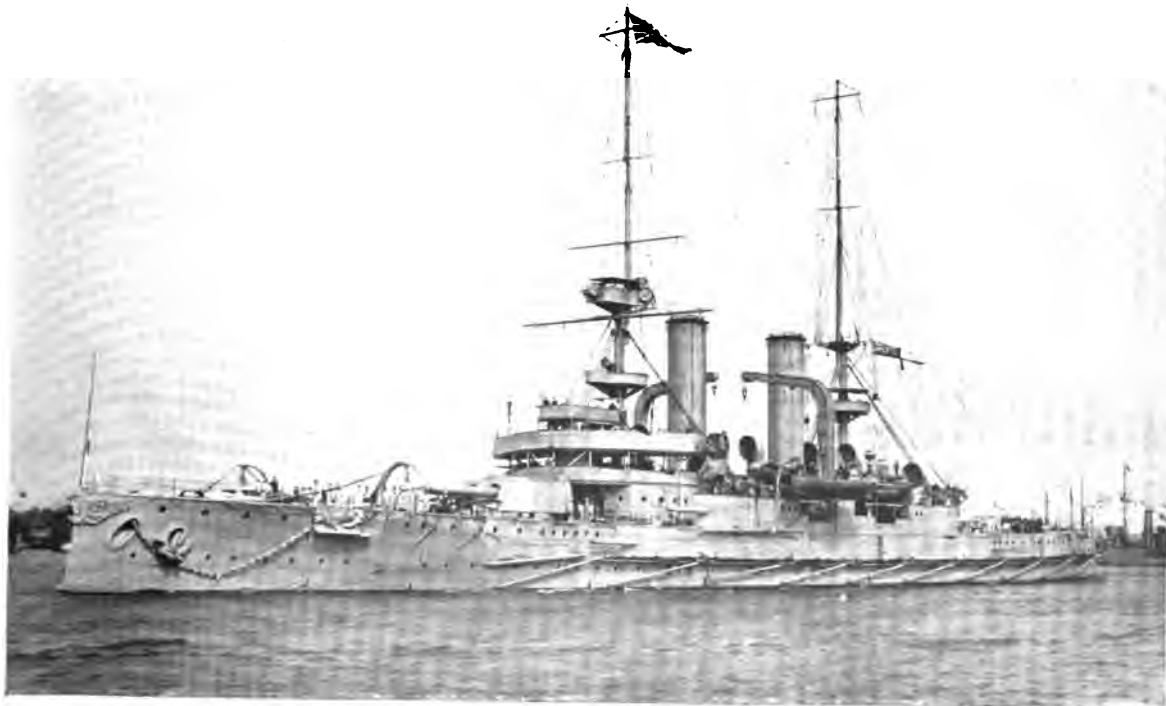
Critt

PLATE XII



H.M.S. "KING EDWARD VII"
Battleship

Cribb



H.M.S. "SWIFTSURE"
Battleship

Cribb

PLATE XIV



Cris66

H.M.S. "ALBEMARLE"
Battleship
("Duncan" Class)



Cobb

H.M.S. " VENERABLE "
 Battleship
 (" Formidable " Class)

PLATE XVI



H.M.S. "CANOPUS"
Battleship

Cribb



H.M.S. "MAJESTIC"
Battleship

Cribb

PLATE XVIII



H.M.S. "TIGER"
Battle Cruiser

Sport and General



H.M.S. "QUEEN MARY"
Battle Cruiser

6/10.

PLATE XX



H.M.S. " LION "
Battle Cruiser

Cr25



H.M.S. "INDEFATIGABLE"
Rattle Cruiser

Cribb

PLATE XXII



H.M.A.S. " AUSTRALIA "
Battle Cruiser
(" Indefatigable " Type)

Cribb



H.M.S. "INVINCIBLE"
Battle Cruiser

Cribb

PLATE XXIV



H.M.S. " MINOTAUR "
Armoured Cruiser

CH 100



H.M.S. "WARRIOR"
Armoured Cruiser

Crabb



H.M.S. "DUKE OF EDINBURGH"
Armoured Cruiser

Crihly



Crihb

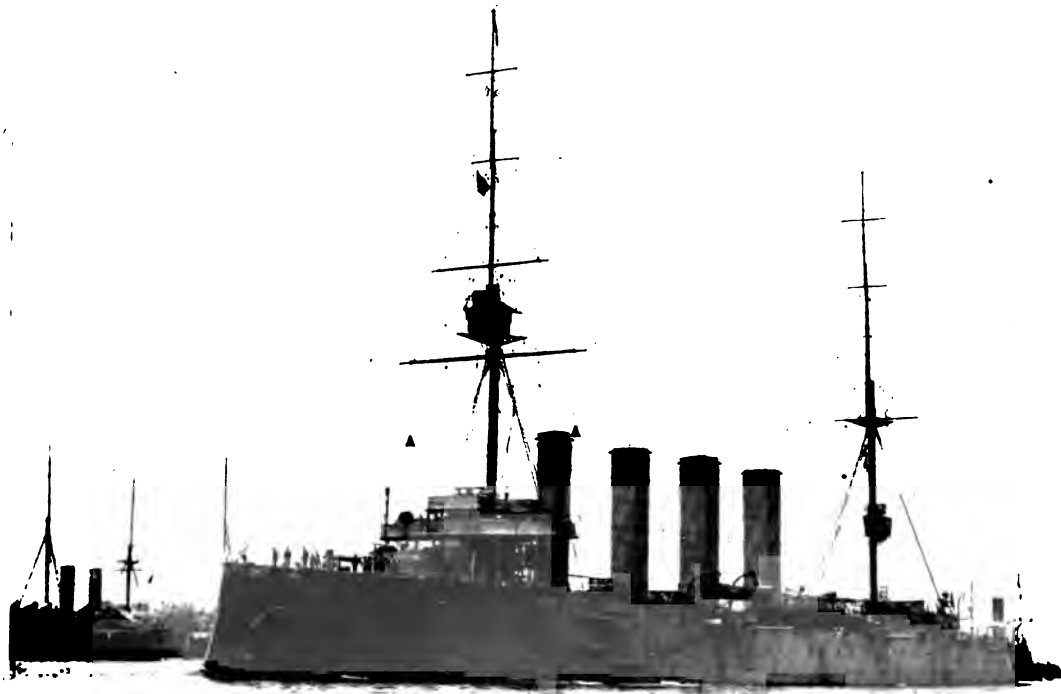
H.M.S. "DEVONSHIRE"
Armoured Cruiser

PLATE XXVIII



H.M.S. "BERWICK"
Armoured Cruiser

Crisbb



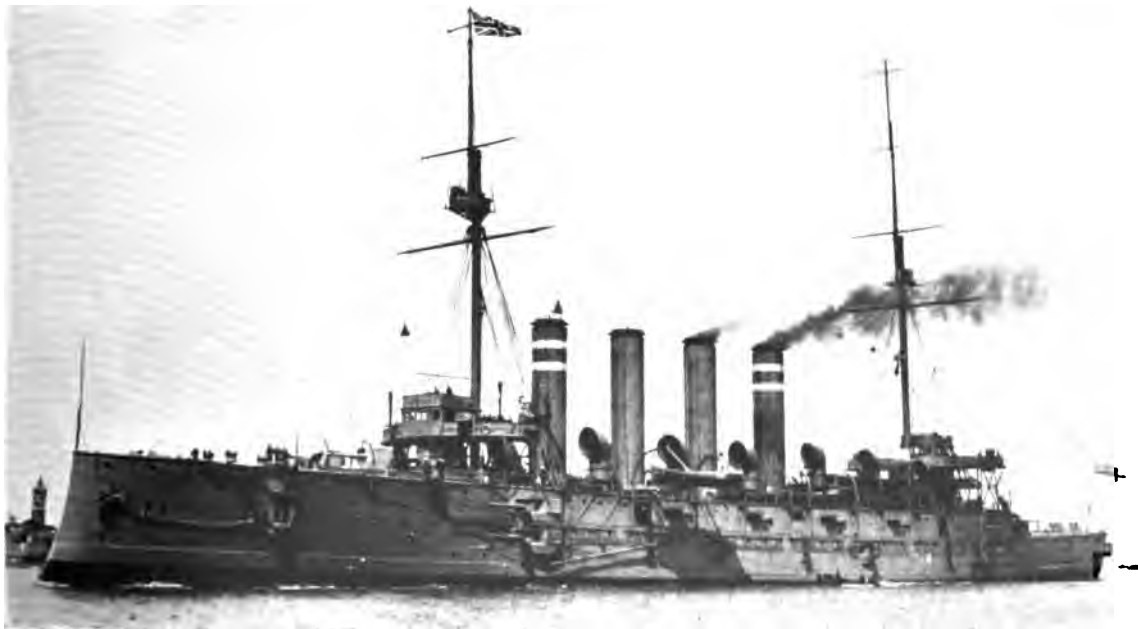
H.M.S. "DRAKE"
Armoured Cruiser

Cribb

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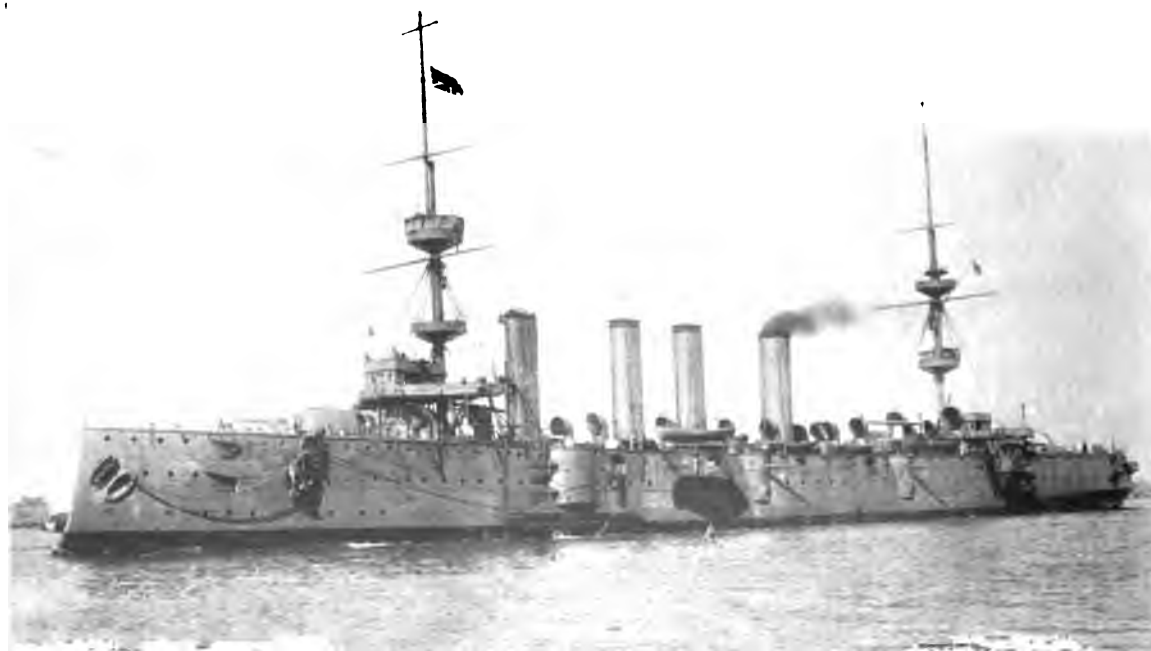


100



H.M.S. "DIADEM"
Armoured Cruiser

Cribb



H.M.S. "TERRIBLE"
Armoured Cruiser

Cribb



H.M.S. "EDGAR"
Armoured Cruiser

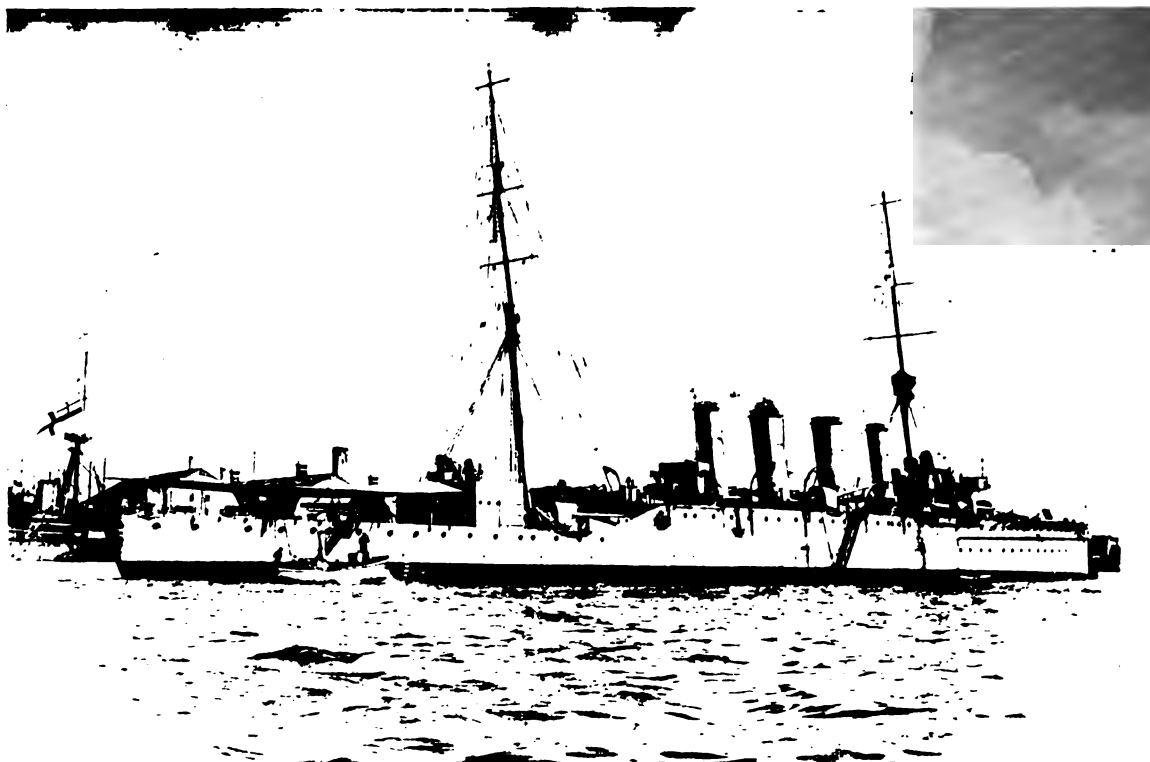
Cribb

PLATE XXXIV



H.M.S. "CHATHAM"
Light Cruiser

Cribb



H.M.A.S. " SYDNEY "
Light Cruiser
(" Chatham " Type)

Cribb



Cribb

H.M.S. "WEYMOUTH"
Light Cruiser



Cribb

H.M.S. "BRISTOL"
Light Cruiser



H.M.S. "CHALLENGER"
Light Cruiser

Cribb



H.M.S. "BOADICEA"
Light Cruiser

Cribb

PLATE XL



H.M.S. "HIGHFLYER"
Light Cruiser

Cribb



H.M.S. " TALBOT "

Light Cruiser

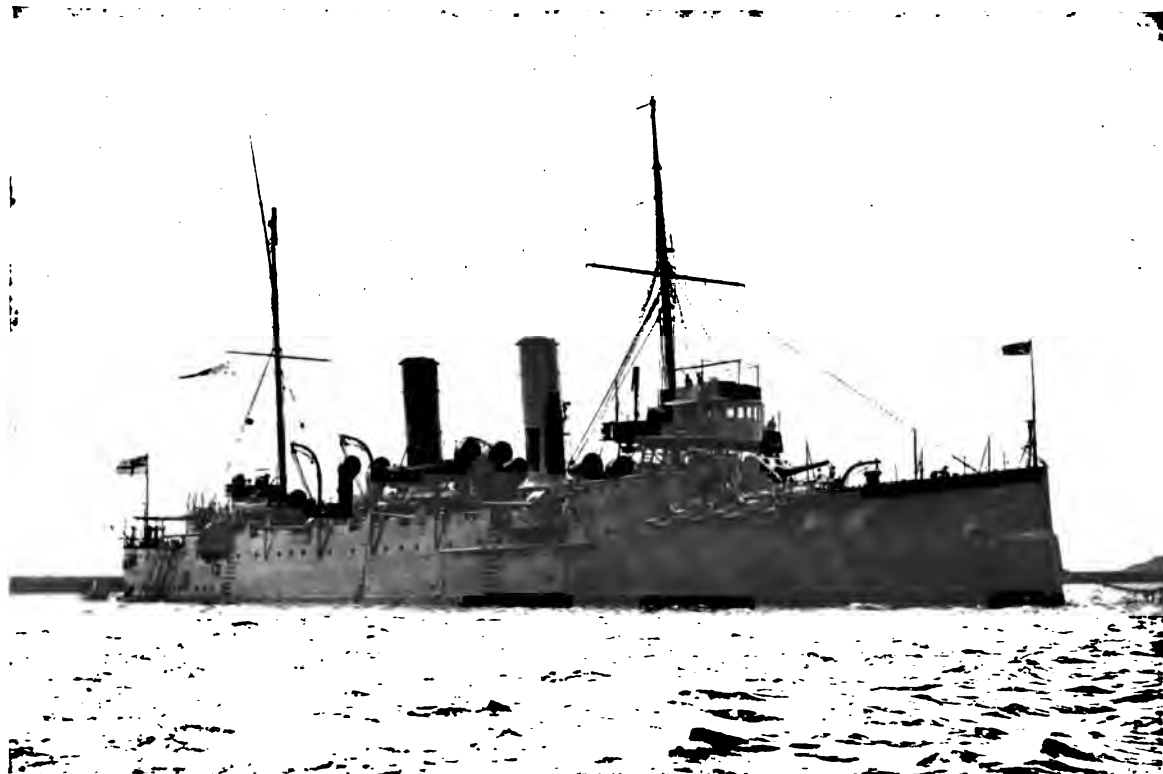
Cribb

PLATE XLII



H.M.S. "VINDICTIVE"
Light Cruiser
("Arrogant" Type)

Cribb



H.M.S. "CAMBRIAN"
Light Cruiser
(Antares "Type")

Cribb

PLATE XLIV



H.M.S. "APOLLO"
Light Cruiser
Minelayer

Cribb



H.M.S. "SENTINEL"
Light Cruiser

Cribb



Cribb

H.M.S. "TOPAZE"
Light Cruiser



Cribb

H.M.S. "SWIFT"
Flotilla Leader

PLATE XLVIII



H.M.S. "LARNE"
Destroyer

Cribb



Cribb

H.M.S. "BADGER"

PLATE I.



H.M.S. " RIBBLE "
Destroyer

Cribb



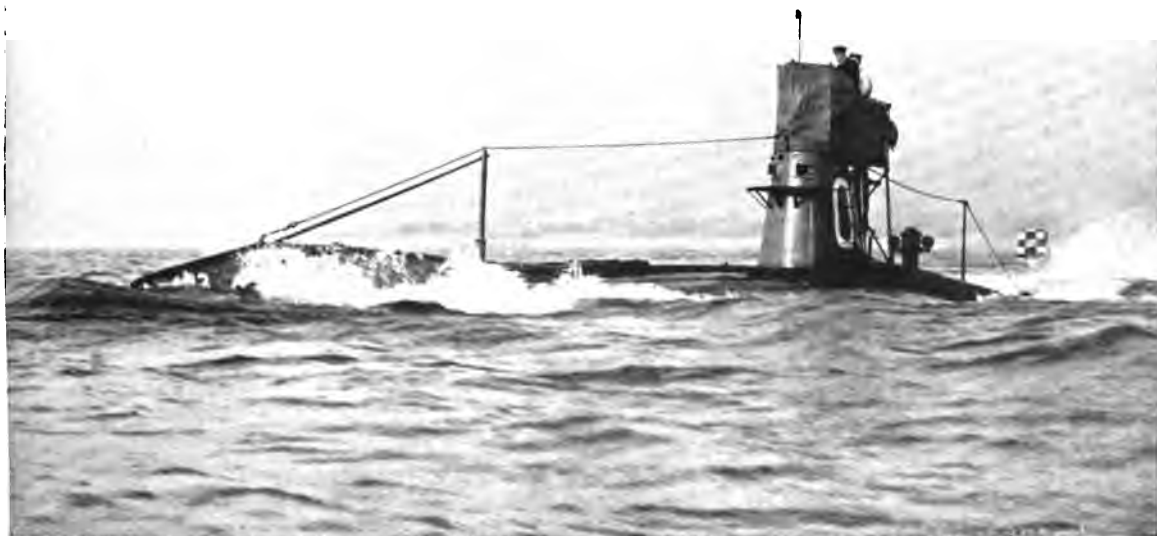
H.M.S. " OWL "
 Destroyer

Cribb



H.M.S. TORPEDO-BOAT 20

Cribb



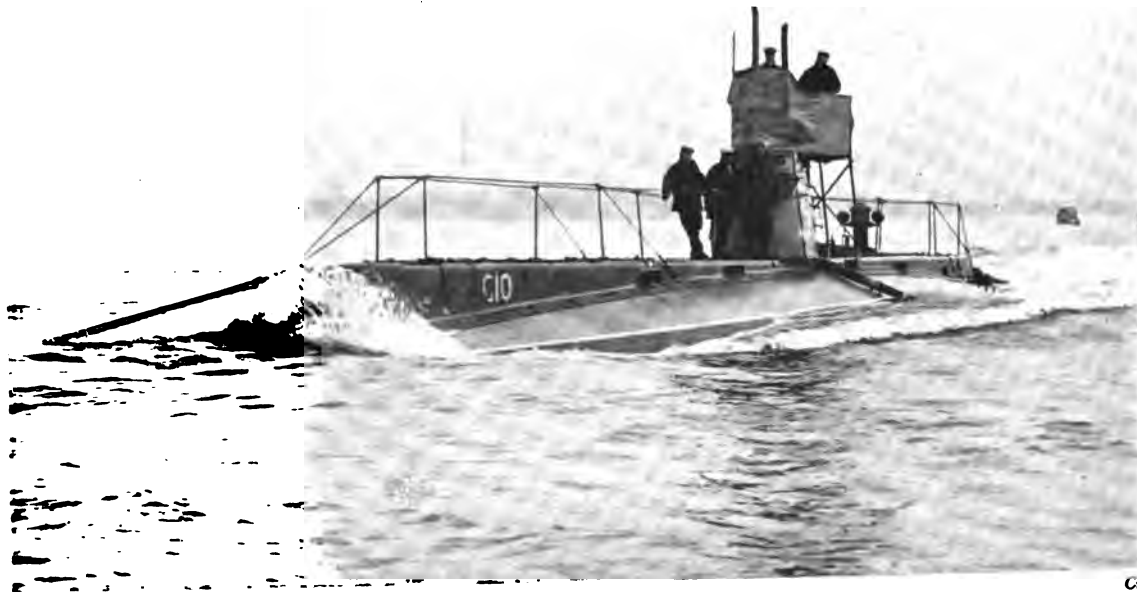
H.M. SUBMARINE A3

Cribb



H.M. SUBMARINE B1

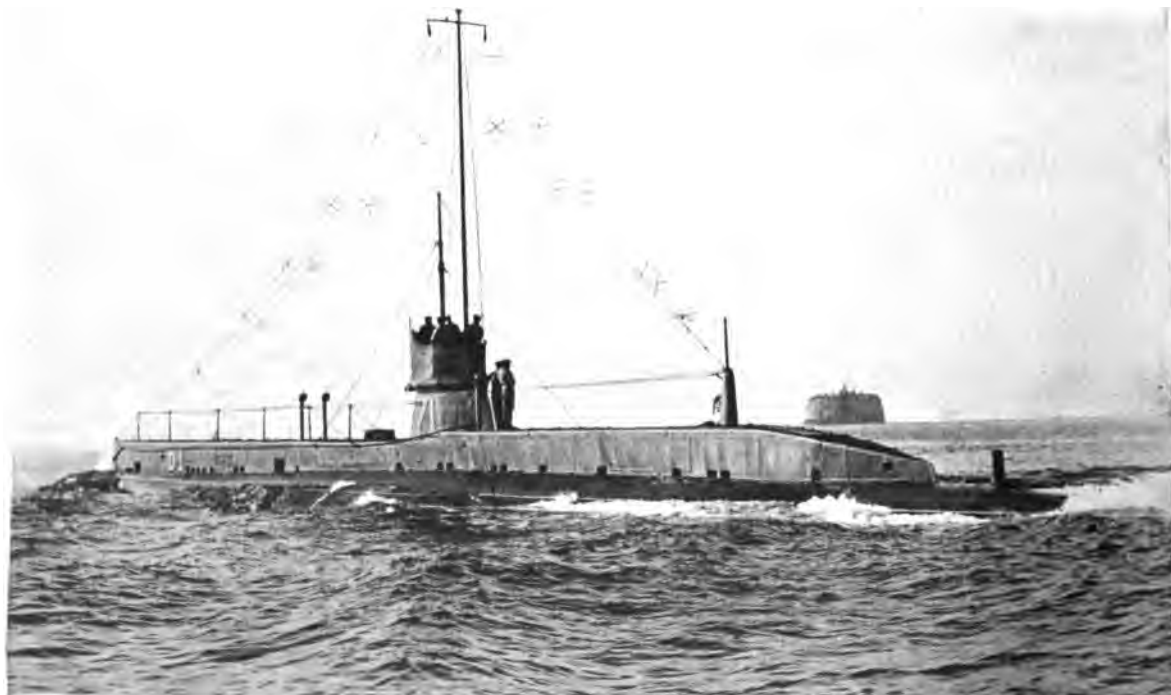
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Cribb

H.M. SUBMARINE C10

PLATE LVI



H.M. SUBMARINE D1

Cribb



Cribb

H.M. SUBMARINE E 9
Lieut.-Commander Max Horton's Boat



FLEET OF BRITISH SUBMARINES

Cribb

GERMANY

BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>König type</i>	König . . . Grosser Kurfürst . . Markgraf . . . Kronprinz . . .	Due 1915	25,800	20·5	Ten 12-inch Fourteen 5·9-inch Sixteen smaller light and machine guns Five submerged tor- pedo tubes	1,180
<i>Kaiser type</i>	Prinzregent Luitpold König Albert . . . Kaiserin . . . Friedrich der Grosse. Kaiser . . .	1918 1918 1918 1912 1912	24,700	20·5 <u>28·5</u>	Ten 12-inch Fourteen 5·9-inch Sixteen smaller light and machine guns Five submerged tor- pedo tubes	1,088
<i>Ostfriesland type</i>	Oldenburg . . . Thüringen . . . Ostfriesland . . . Helgoland . . .	1912 1911 1911 1911	22,800	20·8 <u>21·3</u>	Twelve 12-inch Fourteen 5·9-inch Eighteen smaller light and machine guns Six submerged tor- pedo tubes	1,106

GERMANY

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Nassau type</i>	Rheinland . . .	1910	18,900	20 20.8	Twelve 11-inch Twelve 5.9-inch Twenty smaller light and machine guns Six submerged tor- pedo tubes	960
	Posen . . .	1910				
	Nassau . . .	1909				
	Westfalen . . .	1909				
<i>Deutschland type</i>	Schleswig-Holstein .	1908	18,040	19	Four 11-inch Fourteen 6.7-inch Twenty-four smaller light and machine guns Six submerged tor- pedo tubes	740
	Schlesien . . .	1908				
	Hannover . . .	1907				
	Pommern . . .	1907				
	Deutschland . . .	1906				
<i>Braunschweig type</i>	Lothringen . . .	1906	12,968	18	Four 11-inch Fourteen 6.7-inch Twenty-two smaller light and machine guns Six submerged tor- pedo tubes	740
	Hessen . . .	1905				
	Preussen . . .	1905				
	Elsass . . .	1904				
	Braunschweig . . .	1904				

GERMANY

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Wittelsbach type</i>	Schwaben . .	1904	11,611	18	Four 9·4-inch Eighteen 5·9-inch Sixteen smaller light and machine guns Six submerged tor- pedo tubes	680
	Mecklenburg . .	1903				
	Wettin . .	1902				
	Zähringen . .	1902				
	Wittelsbach . .	1902				
<i>Kaiser Friedrich type</i> . . .	Kaiser Barbarossa .	1901	10,474	17	Four 9·4-inch Fourteen 5·9-inch Eighteen smaller light and machine guns Five submerged tor- pedo tubes	622
	Kaiser Karl der Grosse	1902	10,474	17	Four 9·4-inch Eighteen 5·9-inch Eighteen smaller light and machine guns Five submerged tor- pedo tubes	622

GERMANY

BATTLESHIPS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Kaiser Friedrich type (cont.)</i> .	Kaiser Wilhelm der Grosse. Kaiser Wilhelm II . Kaiser Friedrich III. 1901 1900 1900	10,474	17	Four 9-4-inch Fourteen 5-9-inch Eighteen smaller light and machine guns Five submerged torpedo tubes	622

BATTLESHIPS BUILDING

<i>Ersatz</i> Wörth . . .	—	}	—	—	Eight 15-inch Sixteen 5-9-inch, &c.	—
"T."	—					
<i>Ersatz</i> Kaiser Friedrich III . . .	—					

BATTLE CRUISERS

<i>Moltke type</i> .	Seydlitz . . . { Goeben * . . . Moltke . . .	1918 1912 1911	24,610 22,640	28.1 28.1	} Ten 11-inch Twelve 5-9-inch Fourteen smaller light guns Four submerged torpedo tubes	1,108 1,018
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GERMANY

BATTLE CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Vom der Tann .	1911	19,400	28·1	Eight 11-inch Ten 5·9-inch Nineteen smaller light and machine guns Four submerged torpedo tubes	910
Derfflinger . .	1915	26,600	28·4	Eight 12-inch Twelve 5·9-inch Twelve 8·4-inch Four submerged torpedo tubes	1,125

BATTLE CRUISER COMPLETING

Lützow *	—	26,600	28·4	Eight 12-inch Twelve 5·9-inch Twelve 8·4-inch Four submerged torpedo tubes	—
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* The Lützow was launched November 29, 1912.

GERMANY

BATTLE CRUISERS BUILDING *

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Completion
<i>Ersatz</i> Hertha . <i>Ersatz</i> Victoria Luise	— —	} —	—	Eight 12-inch Twelve 5·9-inch Twelve 8·4-inch Four submerged tor- pedo tubes	—

CRUISERS

<i>Roon type</i>	Roon	1905	9,848	21·4	Four 8·2-inch Ten 5·9-inch Seventeen smaller light and machine guns Four submerged tor- pedo tubes	688
<i>Prinz Adalbert type</i>	Prinz Adalbert	1904	8,856	21	Four 8·2-inch Ten 5·9-inch Fifteen smaller light and machine guns Four submerged tor- pedo tubes	591

* It is to be presumed that the battle cruiser *Salamis*, which is being built at the Vulkan Yard, Stettin, for the Greek Government, will be taken over by Germany. Its primary armament will consist of eight 14-inch guns.

GERMANY

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Prinz Heinrich .	1900	8,756	20	Two 9-4-inch Ten 5-9-inch Thirteen smaller light and machine guns Four torpedo tubes (three submerged)	587
Fürst Bismarck* .	1900	10,520	18	Four 9-4-inch Twelve 5-9-inch Fifteen smaller light and machine guns Six torpedo tubes (five submerged)	565

LIGHT CRUISERS

<i>Karlsruhe</i> type .	Rostock . . .	1914	} 4,820	{ 27-8 28 28	Twelve 4-1-inch Two submerged tor- pedo tubes	378
<i>Graudenz</i> type .	{ Regensburg . .	1914				
	{ Graudenz . . .	1914				

* Has been converted into a torpedo training-ship.

GERMANY

LIGHT CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Magdeburg type</i>	Stralsund . . .	1912	4,480	28.8	Twelve 4-1-inch Three smaller light and machine guns Two submerged tor- pedo tubes	373
	Strassburg . . .			28.8		
	Breslau* . . .			27.6		
<i>Kolberg type</i> .	Augsburg . . .	1911	4,280	27	Twelve 4-1-inch Three smaller light and machine guns Two submerged tor- pedo tubes	379
	Kolberg (? sunk) . .			26.8		
<i>Königsberg type</i>	Stettin . . .	1908	3,494	23		322
	Stuttgart . . .	1908	3,400			
<i>Hamburg type</i> .	Danzig . . .	1907	3,200	23	Ten 4-1-inch Three smaller light and machine guns Two submerged tor- pedo tubes	303
	München . . .	1908				
	Lübeck . . .	1905				
	Berlin . . .	1905				
	Bremen . . .	1904				
	Hamburg . . .	1904				

* The *Breslau* has joined the Turkish fleet in the Black Sea.

GERMANY

LIGHT CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Frauenlob type</i>	Undine . . .	1908	2,656	21.5	Ten 4.1-inch Two machine guns Two submerged tor- pedo tubes (<i>Gazelle</i> has three tubes — one sub- merged)	281
	Arcona* . . .	1908				
	Frauenlob . . .	1908				
<i>Nymphe type</i> .	Amazone . . .	1901	2,608	21.5		275
	Medusa . . .	1901	2,608			
	Thetis . . .	1901	2,608			
	Nymphe . . .	1900	2,608			
	Niobe . . .	1900	2,558			
	Gazelle . . .	1899	2,558			
<i>Hertha type</i> .	Hansa . . .	1899	5,790	19	Two 8.2-inch Six 5.9-inch Nineteen smaller light and machine guns Three (<i>Vineta</i> , two) submerged torpedo tubes	—
	Vineta . . .	1899				
	Freya . . .	1899	5,575			
	Victoria Louise .	1899				
	Gefion . . .	1894	3,705	19	Ten 4.1-inch Eleven smaller light and machine guns	206

* Fitted as mine-laying vessel.

GERMANY

LIGHT CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Kaiserin Augusta .	1895	5,960	—	Twelve 5.9-inch Thirteen smaller light and machine guns Three torpedo tubes (one submerged)	439

LIGHT CRUISERS BUILDING

<i>Ersatz</i> Gefion . .	—	—	—	—	—
<i>Ersatz</i> Hela . .	—	—	—	—	—
<i>Ersatz</i> Gazelle . .	—	—	—	—	—
<i>Ersatz</i> Niobe . .	—	—	—	—	—

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
S. 36	1914	—	32	Two 15 pounder Four machine guns	73
S. 35	1914				
S. 34	1914				
S. 33	1914				
S. 32	1914				
S. 31	1914				

GERMANY

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
V. 30	1915	—	32	Two 15 pounder Four machine guns	78
V. 29	1915				
V. 28	1915				
V. 27	1915				
V. 26	1915				
V. 25	1915				
S. 24	1918	555	33	Two 15 pounder Two machine guns Four torpedo tubes	78
S. 23	1918				
S. 22	1918				
S. 21	1918				
S. 20	1918				
S. 19	1918				
S. 18	1918				
S. 17	1912				
S. 16	1912				
S. 15	1912				
S. 14	1912				
S. 13	1912				
G. 12	1912				
G. 11	1912				
G. 10	1912				
G. 9	1912				
G. 8	1912				
G. 7	1912				

GERMANY

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
V. 6	1918	561	33	Two 15 pounder Two machine guns Four torpedo tubes	73
V. 5	1918				
V. 4	1912				
V. 8	1912				
V. 2	1912				
V. 1	1912				
G. 197	1911	638	33		
G. 196	1911				
G. 195	1911				
G. 194	1911				
G. 193	1911				
G. 192	1911				
V. 191	1911	646	33	Two 15 pounder Two machine guns Four torpedo tubes	88
V. 190	1911				
V. 189	1911				
V. 188	1911				
V. 187	1911				
V. 186	1911	626	33		
V. 185	1910				
V. 184	1910				
V. 183	1910				

GERMANY

TORPEDO-BOAT DESTROYERS—*continued*

					Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment				
V. 182	.	.	.	.	1910	626	33	Two 15 pounder Two machine guns Four torpedo tubes	88				
V. 181	.	.	.	.	1910								
V. 180	.	.	.	.	1910								
S. 179	.	.	.	.	1911	625	33			Two 15 pounder Two machine guns Four torpedo tubes	88		
S. 177	.	.	.	.	1911								
S. 176	.	.	.	.	1911								
G. 175	.	.	.	.	1911	648	30					Two 15 pounder Two machine guns Three torpedo tubes	88
G. 174	.	.	.	.	1910								
G. 173	.	.	.	.	1910								
G. 172	.	.	.	.	1910								
G. 170	.	.	.	.	1909								
G. 169	.	.	.	.	1909								
S. 168	.	.	.	.	1911	605	30	Two 15 pounder Two machine guns Three torpedo tubes	88				
S. 167	.	.	.	.	1911								
S. 166	.	.	.	.	1911								
S. 165	.	.	.	.	1911	608							
V. 164	.	.	.	.	1909								
V. 163	.	.	.	.	1909								
V. 162	.	.	.	.	1909								

GERMANY

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
V. 161	1908	545	30	Two 24 pounder Two machine guns Three torpedo tubes	83
V. 160					
V. 159					
V. 158					
V. 157					
V. 156					
V. 155					
V. 154					
V. 153					
V. 152					
V. 151					
V. 150	1908	520	30	One 24 pounder Three 4 pounder Two machine guns Three torpedo tubes	88
S. 149					
S. 148					
S. 147					
S. 146					
S. 145					
S. 144					
S. 143	1907				
S. 142					
S. 141					
S. 140					
S. 139					
S. 138					

GERMANY

TORPEDO-BOAT DESTROYERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment	
G. 187		1907	560	28	One 24 pounder Three 4 pounder Two machine guns Three torpedo tubes	56	
G. 186		1907	480	28	Four 4 pounder (<i>G. 185</i> has one 24 pounder, two 4 pounder) Two machine guns Three torpedo tubes	56	
G. 185		1907					
G. 184		1907					
G. 183		1907					
G. 182		1906	480	29	Three 4 pounder Two machine guns Three torpedo tubes	49	
S. 181		1906					
S. 180		1906					
S. 129		1906					
S. 128		1906	465			Three 4 pounder Two machine guns Three torpedo tubes	
S. 127		1906					
S. 126		1905					
S. 125		1905					
S. 124		1905	418		Three 4 pounder Two machine guns Three torpedo tubes		
S. 123		1905					
S. 122		1905					
S. 121		1905					
S. 120		1904	418		Three 4 pounder Two machine guns Three torpedo tubes		
S. 114		1903					

GERMANY

TORPEDO-BOAT DESTROYERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
G. 118	1903	394	29	Three 4 pounder Two machine guns Three torpedo tubes	49
G. 112	1903				
G. 111	1903				
G. 110	1903				
G. 109	1902				
G. 108	1902				
S. 107	1901	394	27	Three 4 pounder Two machine guns Three torpedo tubes	49
S. 106	1901				
S. 105	1901				
S. 104	1901				
S. 103	1901				
S. 102	1901				
S. 101	1900				
S. 100	1900				
S. 99	1900				
S. 98	1900				
S. 97 (Sleipner)	1900				
S. 96	1900				
S. 95	1900				
S. 94	1900				
S. 93	1899				
S. 92	1899				
S. 91	1899				

GERMANY
TORPEDO BOATS
47, EXCLUDING THOSE TWENTY YEARS OLD

3 MINE-LAYERS

SUBMARINES (UNTERSEE-BOOTE)

	Date of completion	Displacement (tons)	Armament
U. 81	1915	—	Particulars not published
U. 82	1915		
U. 83	1915		
U. 84	1915		
U. 85	1915		
U. 86	1915		
U. 87	1915		
U. 88	1915		
U. 25	1914	800	Two 14 pounder Two 1 pounder (high-angle) Four torpedo tubes
U. 26	1914		
U. 27	1914		
U. 28	1914		
U. 30	1914		

GERMANY

SUBMARINES—continued

	Date of completion	Displacement (tons)	Armament
U. 24	1918	750	One 14 pounder Two 1 pounder (high-angle) Four torpedo tubes
U. 23	1918	750	
U. 22	1918	750	
U. 21	1918	750	
U. 20	1918	750	
U. 19	1918	750	
U. 17	1912	650	Two 1 pounder (high-angle) Three torpedo tubes
U. 16	1912	250 800	
U. 14	1912		
U. 13	1912	—	—
U. 11	1910		
U. 10	1911		
U. 9	1910	Two torpedo tubes	
U. 7	1911		
U. 6	1910		
U. 5	1910		
U. 4	1909		
U. 3	1909		
U. 2	1908	197 236	One torpedo tube
U. 1	1906		



GERMAN BATTLESHIP "PRINZ REGENT LUITPOLD"

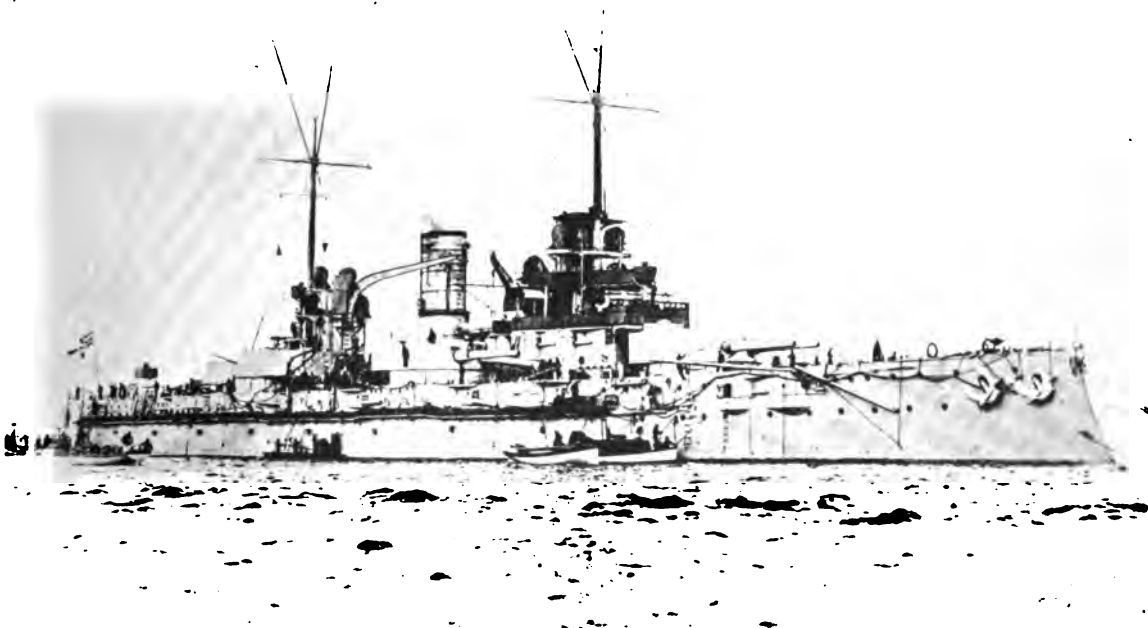
Cribb

PLATE LX



Topical

GERMAN BATTLESHIP "HELGOLAND"



GERMAN BATTLESHIP "NASSAU"

Topical

PLATE LXII



GERMAN BATTLESHIP "DEUTSCHLAND"

Topical



GERMAN BATTLESHIP "BRAUNSCHWEIG"

Critt

PLATE LXIV



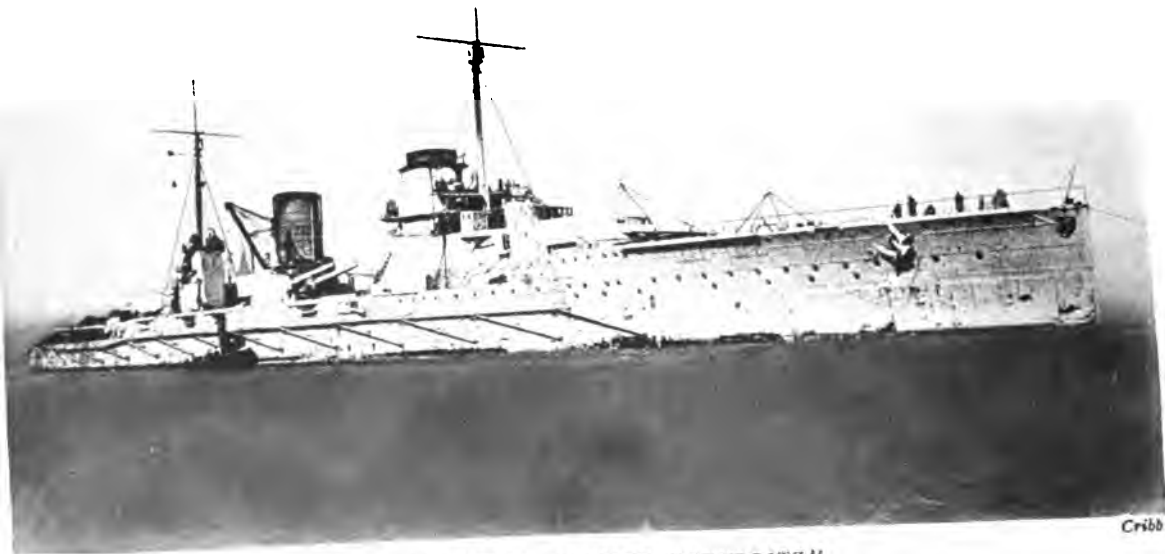
GERMAN BATTLESHIP "WITTELSBACH"

Abraham



GERMAN BATTLESHIP "KAISER FRIEDRICH III"

Cribb



GERMAN BATTLE CRUISER "SEYDLITZ"

Cribb



GERMAN BATTLE CRUISER "MOLTKE"

Topical

PLATE I.XVIII



GERMAN BATTLE CRUISER "VON DER TANN"

Cribb



GERMAN SUBMARINE
U 28

Topical



GERMAN SUBMARINE
U 36

Topical

FRANCE

BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Jean Bart type</i>	France . . .	1915	22,095	20	Twelve 12-inch Twenty-two 5.5-inch Eight smaller light guns Four submerged tor- pedo tubes	1,085
	Paris . . .	1915				
	Jean Bart . . .	1918				
	Courbet . . .	1918				
<i>Danton type</i>	Vergniaud . . .	1911	18,457	19.78	Four 12-inch Twelve 9.4-inch Twenty-eight smaller light guns Two submerged tor- pedo tubes	858
	Mirabeau . . .	1911	18,455	19.78		
	Danton . . .	1911	18,457	20		
	Diderot . . .	1911	18,561	19.78		
	Condorcet . . .	1911	18,487	19		
	Voltaire . . .	1911	18,457	20.66		
<i>Patrie type</i>	Vérité . . .	1906	14,469	19	Four 12-inch Ten 7.6-inch Twenty-five smaller light guns Two submerged tor- pedo tubes	735
	Démocratie . . .	1907	14,638			
	Justice . . .	1907	14,860			
	Patrie . . .	1906	14,900			

FRANCE

BATTLESHIPS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Patrie type</i> . République . . (cont.)	1906	14,605	19	Four 12-inch Eighteen 6.5-inch Twenty-seven smaller light guns Two submerged tor- pedo tubes	785
Suffren . .	1901	12,526	18	Four 12-inch Ten 6.5-inch Eight 8.9-inch Twenty - six smaller light guns Two submerged tor- pedo tubes	655
Henri IV . .	1902	8,806	17	Two 10.8-inch Seven 5.5-inch Sixteen smaller light guns Two submerged tor- pedo tubes	464

FRANCE

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Charlemagne type</i>	St. Louis . .	1900	11,106	18	Four 12-inch Ten 5.5-inch Eight 3.9-inch Twenty - six smaller light and machine guns Two submerged tor- pedo tubes	632
	Gaulois . .	1899	11,088			
	Charlemagne . .	1899	11,088			
<i>Bouvet type</i>	Masséna . . .	1898	11,735	17	Two 12-inch Two 10.8-inch Eight 5.5-inch Eight 3.9-inch Twenty - one smaller light and machine guns Two submerged tor- pedo tubes	608

FRANCE

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Charles Martel</i> <i>type</i> . . .	{ Carnot	1897	11,954	} 18	Two 12-inch Two 10·8-inch Eight 5·5-inch Twenty-eight smaller light and machine guns Two submerged tor- pedo tubes	570
	{ Charles Martel . . .	1897	11,693			
	{ Jauréguiberry . . .	1896	11,637			
	Brennus	1895	11,190	18	Three 13·4-inch Ten 6·4-inch Twenty-three smaller guns	570

BATTLESHIPS COMPLETING

<i>Bretagne type</i> .	{ Provence	} Due 1915	23,550	20	Ten 13·4-inch Twenty-two 5·5-inch Eight smaller light guns Four submerged tor- pedo tubes	1,109
	{ Bretagne					
	{ Lorraine					

FRANCE

BATTLESHIPS BUILDING

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Normandie type</i>	(Normandie . . .	—	25,200	21	Twelve 18·4-inch Twenty-four 5·5-inch Six submerged tor- pedo tubes	1,100
	Languedoc . . .	—				
	Flandre . . .	—				
	Gascogne . . .	—				
	Béarn . . .	—				

BATTLESHIPS PROJECTED

Tourville . . .	—	29,500	—	Sixteen 18·4-inch Twenty-eight 5·5-inch	—
Lille . . .	—				
Lyon . . .	—				
Duquesne . . .	—				

CRUISERS

<i>Edgar Quinet type</i>	Waldeck Rousseau	1911	18,995	23·5	Fourteen 7·6-inch Twenty-four smaller light and machine guns Two submerged tor- pedo tubes	859
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FRANCE

CRUISERS—continued

			Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Edgar Quinet type</i> (cont.)	Edgar Quinet .		1911	13,847	23.5	Fourteen 7.6-inch Twenty-two smaller light and machine guns Two submerged tor- pedo tubes	859
<i>Improved Léon Gambetta type</i>	{ Ernest Renan .	.	1909	13,504	25	Four 7.6-inch Twelve 6.5-inch Twenty - six smaller light and machine guns Two submerged tor- pedo tubes	732
	{ Jules Michelet .	.	1908	12,851	23		
<i>Léon Gambetta type</i> . .	{ Victor Hugo .	.	1907	13,108	22	Four 7.6-inch Sixteen 6.5-inch Twenty-eight smaller light and machine guns Two submerged tor- pedo tubes	732
	{ Jules Ferry .	.	1905	12,379			
	{ Léon Gambetta .	.	1905	11,959			

FRANCE

CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Improved Montcalm type</i>	Amiral Aube . . .	1904	9,584	21	Two 7-6-inch Eight 6-5-inch Six 8-9-inch Twenty smaller light guns Two submerged torpedo tubes	615
	Condé . . .	1904	10,288			
	Gloire . . .	1904	10,212			
	Marseillaise . .	1908	9,458			
<i>Kléber type</i>	Kléber . . .	1904	7,602	21	Eight 6-5-inch Four 8-9-inch Sixteen smaller light and machine guns Two torpedo tubes	500
	Desaix . . .	1904	7,547			
	Dupleix . . .	1908	7,482			
<i>Montcalm type</i>	Dupetit-Thouars .	1905	9,365	21	Two 7-6-inch Eight 6-5-inch Four 8-9-inch Twenty-two smaller light guns (<i>Dupetit-Thouars</i> , eighteen) Two submerged torpedo tubes	612
	Montcalm . . .	1902	9,177			
	Gueydon . . .	1908	9,548			

FRANCE

CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Jeanne d'Arc type</i>	<i>Jeanne d'Arc</i> .	1902	11,125	21	Two 7-6-inch Fourteen 5-5-inch Twenty-two smaller light and machine guns Two submerged torpedo tubes	645
	<i>Jurien de la Gravière</i>	1903	5,600	22	Eight 6-5-inch Eighteen smaller light and machine guns Two submerged torpedo tubes	469
	<i>Châteaurenault</i> .	1902	7,898	24	Two 6-5-inch Six 5-5-inch Seventeen smaller light and machine guns	563
	<i>Guichen</i> .	1899	8,152	23		
	<i>D'Entrecasteaux</i> .	1899	7,995	19	Two 9-4-inch Twelve 5-5-inch Eighteen smaller light and machine guns Two submerged torpedo tubes	521

FRANCE

CRUISERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
	Pothuau . . .	1897	5,374	19	Two 7-6-inch Ten 5-5-inch Eighteen smaller light and machine guns Four torpedo tubes	465
<i>Bruix type</i> .	{ Bruix . . .	1896	} 4,735	18	Two 7-6-inch Six 5-5-inch Fourteen smaller light and machine guns Four torpedo tubes	385
	{ Latouche-Tréville .	1898				
	Charner [] .	1895	4,702	18	Two 7-6-inch Six 5-5-inch Fourteen smaller light and machine guns Four torpedo tubes	385

BATTLE CRUISERS (None built or building)

CRUISERS BUILDING

Three squadron scouts (4,000 tons).

Three "conducteurs d'escadrilles" or super-destroyers of 4,500 tons displacement; speed 30 knots; armament—six 5-5-inch guns.

FRANCE

LIGHT CRUISERS

				Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Modified Lavoisier type</i>	D'Estrées	.	.	1899	2,421	20	Two 5.5-inch Four 3.9-inch Eleven smaller light and machine guns	250
<i>Lavoisier type</i>	Lavoisier	.	.	1898	2,285	20	Four 5.5-inch Two 3.9-inch Fourteen smaller light and machine guns Two torpedo tubes	248
	{ Cassard. Du Chayla	.	.	1898	3,895	19	Six 6.5-inch Four 3.9-inch Fifteen smaller light and machine guns Two torpedo tubes	374
	Descartes	.	.	1896	3,970	21	Four 6.5-inch Ten 3.9-inch Twelve smaller light and machine guns Two torpedo tubes	377

FRANCE

LIGHT CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Friant . . .	1895	3,882	19	Six 6-5-inch Four 3-9-inch Fifteen smaller light and machine guns Two torpedo tubes	353
Surcouf. . .	1890	2,012	20	Four 5-5-inch Nine smaller light and machine guns	280
Cosmao . . .	1891	1,923	20	Four 5-5-inch Eleven smaller light and machine guns	280

TORPEDO VESSELS

La Hire	1899	} 889	—	Twelve small light guns	—
Dunois	1898				
D'Iberville	1894			One 3-9-inch Nine small light guns	—

FRANCE

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Horse-power	Armament	Complement
Magon	1915	825	14,500(T)	Two 8-9-inch Four 9 pounder Two double torpedo tubes	81
Mangini	1915	787	14,500(T)		
Commandant Lucas	1915	755	15,000(T)		
Protet	1915	755	15,000(T)		
Dehorter	1918	753	16,000(T)		
Capitaine Mehl	1918	755	15,000(T)		
Bisson	1918	755	15,000(T)		
Commandant Bory	1918	750	14,115(T)		
Francis Garnier	1918	783	18,500(T)		
Commandant Rivière	1918	755	14,500(T)		
Rensaudin	1918	755	15,000(T)		
Aspirant Herber	1912	468	7,500	Six 9 pounder Three torpedo tubes	81
Bouclier	1911	777	18,000(T)	Two 8-9-inch Four 9 pounder Two double torpedo tubes	62
Boutefeu	1912	845	14,000(T)		
Enseigne Henry.	1912	468	7,500	Six 9 pounder Three torpedo tubes	62

FRANCE

TORPEDO-BOAT DESTROYERS—continued

	Date of completion	Displacement (tons)	Horse-power	Armament	Complement
Cimeterre	1911	876	18,500(T)	Two 8-9-inch Four 9 pounder Two double torpedo tubes	62
Faulx	1912	850	12,500(T)		
Fourche	1911	845	12,500(T)		
Casque	1911	807	14,400(T)		
Janissaire	1911	504	7,650(T)	Six 9 pounder Three torpedo tubes	62
Cavalier	1910	517	8,600(T)		
Fantassin	1910	584	8,600(T)		
Poignard	1910	417	6,800	One 9 pounder Six 8 pounder Two torpedo tubes	62
Glaive	1910	352			
Lansquenet	1910	538	8,129	Six 9 pounder Three torpedo tubes	62
Mameluck	1911	400	7,750		
Voltigeur	1909	584	8,500*		
Chasseur	1909	485	9,000(T)		
Tirailleur	1909	472	7,800*		
Hussard	1911	400	7,750		
Carabinier	1909	440	8,200		
Spahi	1908	449	9,000		

* Two turbines, one reciprocating engine.

FRANCE
TORPEDO-BOAT DESTROYERS—continued

	Date of completion	Displacement (tons)	Horse- power	Armament	Comple- ment
Hache	1908	844	6,800	One 9 pounder Six 3 pounder Two torpedo tubes	62
Massue	1909	844	7,128		
Cognée	1908	892	5,084		
Sabretache	1908	880	7,000		
Oriflamme	1908	414	7,226		
Etendard	1908	859	6,800		
Fanion	1908	844	6,800		
Sape	1908	844	6,400		
Gabion	1908	844	6,400		
Branlebas	1908	844	6,800		
Fanfare	1908	845	6,800		
Carquois	1908	841	6,800		
Pierrier	1908	827	6,800		
Trident	1908	841	6,800		
Fleuret	1908	845	6,800		
Coutelas	1908	898	7,006		
Obusier	1908	888	6,800		
Mortier	1908	841	6,800		
Claymore	1906	884	7,600		
Stylet	1906	887	5,800		
Tromblon	1906	888	5,800		
Sabre	1904	807	6,500		

FRANCE

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament	Complement
Francisque	1904	305	6,500	One 9 pounder Six 3 pounder Two torpedo tubes	62
Dard	1904	355	6,800		
Sarbacane	1904	359	6,400		
Baliste	1904	300	6,800		
Mousqueton	1904	309	6,600		
Arc	1904	308	6,600		
Bélier	1904	352	6,960		
Bombarde	1903	316	7,000		
Catapulte	1903	320	7,000		
Pistolet	1903	350	6,554		
Arbalète	1903	366	7,136		
Épieu	1903	315	7,300		
Javeline	1903	302	6,600		
Carabine	1903	351	6,400		
Arquebuse	1903	314	7,000		
Sagaie	1903	362	7,300		
Fronde	1903	302	6,600		
Harpon	1903	309	6,600		
Yatagan	*	308	5,700		
Épée	1901	308	5,600		
Pique	1901	308	5,600		
Rapier	1902	312	5,200		

* Doubtful.

FRANCE

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament	Complement
Flamberge	1902	818	5,200	One 9 pounder Six 3 pounder Two torpedo tubes	82
Escopette	1902	806	5,200		
Pertuisane	1902	806	5,000		
Fauconneau	*	806	5,600		
Hallebarde	*	808	5,600		
Durandal	*	808	5,600		

TORPEDO-BOAT DESTROYERS COMPLETING

Mécanicien-principal Lestin.	—	880	17,000(T)	Two 8-9-inch Four 9 pounder Two double torpedo tubes	81
Enseigne Roux	—				
Enseigne Gabolde	—				

* Doubtful.

158 TORPEDO BOATS

FRANCE

SUBMARINES

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Comple-ment
Franklin	1914	390	840	Seven torpedo tubes	20
Clorinde	1914	408	1,300	Eight torpedo tubes	20
Cornélie	1914	408	1,300	Eight torpedo tubes	20
Gustave Zédé	1914	787	3,000	Eight torpedo tubes	40
Néréide	1915	787	4,800	Eight torpedo tubes	40
Amphitrite	1915	408	1,300	Eight torpedo tubes	20
Astrée	1915	408	1,300	Eight torpedo tubes	20
Artémis	1915	408	1,300	Eight torpedo tubes	20
Aréthuse	1915	408	1,300	Eight torpedo tubes	20
Atalante	1915	408	1,300	Eight torpedo tubes	20
Amaranthe	1915	408	1,300	Eight torpedo tubes	20
Ariane	1915	408	1,300	Eight torpedo tubes	20
Andromaque	1915	408	1,300	Eight torpedo tubes	20
Brumaire	1912	390	840	Seven torpedo tubes	24
Frimaire	1912	390			
Nivôse	1912	390			
Foucault	1912	390			
Euler	1912	390			
Faraday	1912	390			
Volta	1912	390			
Newton	1912	390			
Montgolfier	1912	390			

FRANCE

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Complement
Bernoulli	1912	390	840	Seven torpedo tubes	24
Joule	1912	390			
Coulomb	1912	394			
Arago	1912	390			
Curie	1912	390			
Le Verrier	1912	390	1,440	Six torpedo tubes	25
Mariotte	1912	524			
Amiral Bourgois	1912	546			
Archimède	1909	570	1,560	Seven torpedo tubes	25
Giffard	1910	402			
Gay Lussac	1910	392	700	Six torpedo tubes (<i>Floréal</i> , seven)	20
Cugnot	1909	402			
Fructidor	1909	397			
Watt	1909	402			
Thermidor	1909	390			
Berthelot	1909	402			
Monge	1909	392			
Ampère	1910	392			
Messidor	1909	398			
Prairial	1908	398			
Floréal	1908	398			
Fresnel	1908	402			

FRANCE

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Complement	
Papin	1908	402	700	Six torpedo tubes (<i>Germinal, Ventôse</i> , seven)	20	
Germinal	1908	398				
Pluviôse	1908	398				
Ventôse	1908	390	440			
Circé	1908	355				
Calypso	1908	355				
Turquoise	1910	386	600	Four torpedo tubes	20	
Topaze	1909	386				
Rubis	1908	387				
Emeraude	1908	385				
Opale	1907	385	330	Six torpedo tubes	20	
Argonaute	1909	300		200	Four torpedo tubes	20
Aigrette	1906	177		200	Six torpedo tubes	20
Cigogne	1906	176	217	Four torpedo tubes	10	
Silure	—	154				
Espadon	—	154				
Triton	—	153				
Sirène	—	153				

FRANCE

SUBMARINES COMPLETING

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Completion
Bellone	—	512	2,100	Eight torpedo tubes	29
Hermione	—	512	2,100		
Gorgone	—	512	2,100		
Dupuy de Lôme	—	820	4,000		
Sané	—	820	4,000		
Diane	—	620	1,800	Ten torpedo tubes	29
Daphné	—	620	1,800		
Joessel	—	820	4,000		
Fulton	—	820	4,000		
Laplace	—	820	4,000		
Lagrange	—	820	4,000		
Regnault	—	820	4,000		
Q. 114	—	820	4,000		



FRENCH BATTLESHIP "COURBET"

Cribb



C. 100

FRENCH BATTLESHIP "DANTON"



FRENCH CRUISER "ERNEST RENAN"

Topical



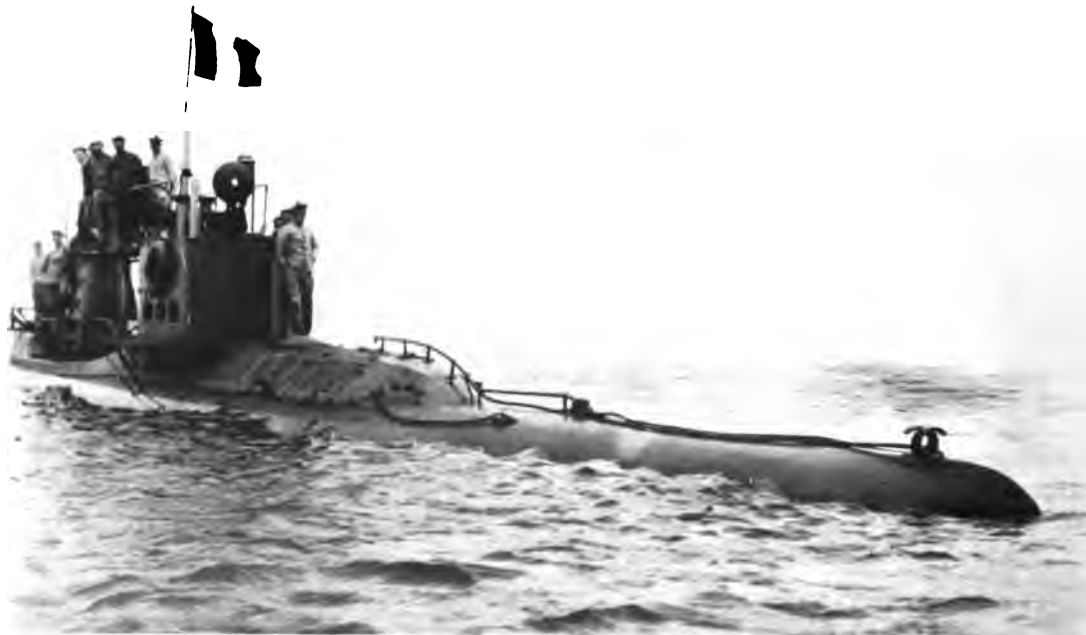
FRENCH CRUISER "AMIRAL AUBE"

Cristob



FRENCH CRUISER "LÉON GAMBETTA"

Cribb



FRENCH SUBMARINE

Cribb

ITALY

BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Andrea Doria type</i> { <i>Andrea Doria</i> . <i>Caio-Duilio</i> . }	1915	23,025	23	Thirteen 12-inch Sixteen 6-inch Twenty smaller light and machine guns Three submerged tor- pedo tubes	1,000
<i>Conte di Cavour type</i> { <i>Conte di Cavour</i> . <i>Leonardo da Vinci</i> . <i>Giulio Cesare</i> . }	1914	22,840	23	Thirteen 12-inch Eighteen 4-7-inch Twenty smaller light and machine guns Three submerged tor- pedo tubes	1,000
<i>Dante Alighieri</i> .	1912	19,400	23	Twelve 12-inch Twenty 4-7-inch Sixteen smaller light and machine guns Three submerged tor- pedo tubes	987

ITALY

BATTLESHIPS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Vittorio Emanuele III type</i>	Roma . . .	1909	12,425	22	Two 12-inch Twelve 8-inch Thirty smaller light and machine guns Two submerged torpedo tubes	764
	Napoli . . .	1908				
	Regina Elena .	1907				
	Vittorio Emanuele III . . .	1907				
<i>Benedetto Brin type</i>	Benedetto Brin .	1906	13,207	19	Four 12-inch Four 8-inch Twelve 6-inch Twenty - six smaller light and machine guns Four torpedo tubes (two submerged)	811
	Regina Margherita	1905				
<i>Ammiraglio di Saint Bon type</i>	Ammiraglio di Saint Bon . . .	1901	9,645	18	Four 10-inch Eight 6-inch Eight 4-7-inch Twelve smaller light and machine guns Four torpedo tubes	548

ITALY

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple-ment
<i>Ammiraglio di Saint Bon type</i> (cont.)	Emanuele Filiberto	1901	9,645	18	Four 10-inch Eight 6-inch Eight 4-7-inch Sixteen smaller light and machine guns Four torpedo tubes	536

BATTLESHIPS PROJECTED

Cristoforo Colombo	}	—		25	Eight 15-inch Sixteen 6-inch	—
Marcantonio Colonna			26,000			
Francesco Morosini			81,400			
Caracciolo . .						

BATTLE CRUISERS (None built or building)

CRUISERS

<i>San Giorgio type</i>	San Giorgio . .	1910	10,004	22	Four 10-inch Eight 7-5-inch Twenty-four smaller light and machine guns Three submerged tor- pedo tubes	700
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ITALY

CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>San Giorgio type</i> (<i>cont.</i>)	San Marco . . .	1910	10,155	22	Four 10-inch Eight 7.5-inch Twenty - six smaller light and machine guns Three submerged tor- pedo tubes	700
<i>Pisa type</i> . . .	{ Amalfi . . .	1909	10,234	} 23	Four 10-inch Eight 7.5-inch Twenty - two smaller light and machine guns Three submerged tor- pedo tubes	687
	{ Pisa . . .	1909	10,430			
<i>Varese type</i> . .	{ Francesco Ferruccio	1905	} 7,234	20	One 10-inch Two 8-inch Fourteen 6-inch Eighteen smaller light and machine guns Four torpedo tubes	540
	{ Varese . . .	1901				
	{ Giuseppe Garibaldi.	1901				

ITALY

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Vettor Pisani</i> type { Carlo Alberto . Vettor Pisani. .	1898 1898	6,396 6,396	19 20	Twelve 6-inch Six 4-7-inch Eighteen smaller light and machine guns Four torpedo tubes	500

LIGHT CRUISERS

Nino Bixio . . .	}	1915	3,380	23	Six 4-7-inch Six smaller light guns Two tubes, to carry mines	240
Marsala . . .						
Libia . . .		1918	3,690	22	Two 6-inch Eight 4-7-inch Fourteen smaller light guns Two torpedo tubes	276
Quarto . . .		1912	3,220	28	Six 4-7-inch Six smaller light guns Two tubes, to carry mines	240

ITALY

LIGHT CRUISERS—continued

				Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>Agordat type</i>	{	Coatit . . .	1901	1,292	21	} Twelve light guns Two torpedo tubes	184	
		Agordat . . .	1901	1,292	22			
<i>Calabria type</i>	{	Puglia . . .	1901	2,498	20	} Six 4·7-inch Ten smaller light and machine guns Two torpedo tubes	220	
		Calabria . . .	1897	2,452	16			
		Elba . . .	1895	2,689	17	} Two 6-inch (<i>Liguria</i> only) Six 4·7-inch Eight to fourteen smaller light and machine guns Two torpedo tubes	220	
		Liguria . . .	1894	2,255	19			
		Marco Polo . . .	1896	4,511	19			Six 6-inch Four 4·7 inch Nine smaller light and machine guns Four tubes

ITALY

LIGHT CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Etruria . .	1894	2,255	19	Six 4-7-inch Eight to fourteen smaller light and machine guns Two torpedo tubes	220
Piemonte . .	1889	2,597	21	Ten 4-7-inch Ten smaller light and machine guns Two tubes	220
<i>Stromboli type</i> . Etna . . .	1887	3,474	17	Four 6-inch Two 4-7-inch Twelve smaller light and machine guns Two torpedo tubes	220

LIGHT CRUISERS BUILDING

Campania . . .	}	—	2,460	—	Six 4-7-inch Six smaller light guns Two torpedo tubes	—
Baslicata . . .						
Mirabello . . .						

ITALY

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Horse-power	Armament
Impetuoso	1915	676	15,000 (T) (Est.)	One 4-7-inch Four 14 pounder Two torpedo tubes
Insidioso	1915			
Animoso	1915	689		
Audace	1918			
Ardito	1918			
Ardente	1918	874	6,000 (Est.)	Two 14 pounder Four 6 pounder Three torpedo tubes
Ascaro	1918			
Impavido	1918	676	15,000 (T)*	One 4-7-inch Four 14 pounder Two torpedo tubes
Irrequieto	1918	676	17,640 (T)	
Intrepido	1918	676	17,780 (T)	
Indomito	1912	676	16,890 (T)	
Garibaldino	1910	382	6,000	Four 14 pounder Three torpedo tubes
Corazziere	1910	382		
Pontiere	1910	410		
Alpino	1909	410		
Fuciliere	1909	410		
Carabiniere	1909	410		
Lanciere	1907	365		

* Designed.

ITALY

TORPEDO-BOAT DESTROYERS—continued

	Date of completion	Displacement (tons)	Horse-power	Armament
Artigliere	1907	365	6,000	Four 14 pounder Three torpedo tubes
Bersagliere	1907			
Granatiere	1907			
Espero	1904			
Zeffiro	1904	325	6,000	Five 6 pounder Four torpedo tubes
Aquilone	1903			
Borea	1903			
Nembo	1902			
Turbine	1902	325	6,000	Four 14 pounder Two torpedo tubes
Euro	1902	315	6,000	One 14 pounder Five 6 pounder Two torpedo tubes
Ostro	1902	315	6,000	Six 6 pounder Two torpedo tubes
Strale	1901			
Dardo	1901	315	6,000	One 14 pounder Five 6 pounder Two torpedo tubes
Lampo	1900			
Fulmine	1900	298	4,780	Five 6 pounder Two torpedo tubes

1

ITALY
TORPEDO-BOAT DESTROYERS BUILDING

	Date of completion	Displacement (tons)	Horse-power	Armament
Francesco Nullo . . .	}	—	—	—
Antonio Mosto . . .				
Giuseppe Sirtori . . .				
Giacinto Carini . . .				
Rosolino Pilo . . .				
Giuseppe Abba . . .				
Simone Schiaffino . . .				
Pilade Bronzetti . . .				
Giuseppe Missori . . .	}	984	—	—
Ippolito Nivo . . .				
Allessandro Poerio . . .				
Cesare Rossarol . . .				
Guglielmo Pepe . . .				

94 TORPEDO BOATS

SUBMARINES

Giacinto Pullino . . .	1915	844	1,200	Four tubes
Galileo Ferraris . . .	1915	894		
Nautilus . . .	1918	221	600	Two fixed tubes, one movable tube
Nereide . . .	1918	297		



ITALIAN CRUISER "SAN MARCO"

Cribb



ITALIAN CRUISER "REGINA ELENA"

Cribb

ITALY

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Atropo	1918	$\frac{231}{305}$	600	Two tubes
Jalea	1918	$\left. \begin{array}{r} 241 \\ 295 \end{array} \right\}$	600	$\left. \begin{array}{l} \text{Two (} \textit{Glauco} \text{ and } \textit{Narvalo} \text{ three)} \\ \text{torpedo tubes} \end{array} \right\}$
Zoea	1918			
Jantina	1918			
Salpa	1912			
Fisalia	1912			
Argo	1912			
Medusa	1911			
Velella	1911			
Foca	1908	$\frac{182}{281}$	900 (Est.)	
Otaria	1908	$\left. \begin{array}{r} 172 \\ 197 \end{array} \right\}$	680	
Tricheco	1908			
Narvalo	1907	$\left. \begin{array}{r} 148 \\ 172 \end{array} \right\}$	680	$\left. \begin{array}{l} \text{Two (} \textit{Glauco} \text{ and } \textit{Narvalo} \text{ three)} \\ \text{torpedo tubes} \end{array} \right\}$
Squalo	1906		680	
Glauco	1905		600	
Delfino	1896	$\frac{98}{105}$	150	One torpedo tube

RUSSIA

N.B. The abbreviation "B.S." denotes Black Sea Fleet.

BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Gangut type</i>	Sevastopol . . Petrovavlovsk . . Poltava . . Gangut . . }	Due 1915	23,000	23	Twelve 12-inch Sixteen 4·7-inch Fourteen smaller light and machine guns Four submerged torpedo tubes	1,100
<i>Andrei Pervozvanni type</i>	Imperator Pavel I . Andrei Pervozvanni }	1911	17,400	18	Four 12-inch Fourteen 8-inch Twelve 4·7-inch Fourteen smaller light and machine guns Three submerged torpedo tubes	933

RUSSIA

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Evstafi type</i>	{ Evstafi (B.S.) Ioann Zlatoust (B.S.) }	1911	12,840	16	Four 12-inch Four 8-inch Twelve 6-inch Twenty-eight smaller light and machine guns Three submerged tor- pedo tubes	879
	Slava . . .	1905	18,516	18	Four 12-inch Twelve 6-inch Thirty-four smaller light and machine guns Two submerged tor- pedo tubes	825
	Tzesarevich . .	1903	13,000	19	Four 12-inch Twelve 6-inch Twenty-eight smaller light and machine guns Two submerged tor- pedo tubes	774

RUSSIA

BATTLESHIPS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Panteleimon (B.S.).	1902	12,600	17	Four 12-inch Sixteen 6-inch Twenty-four smaller light and machine guns Five submerged torpedo tubes	741
Rostislav (B.S.) .	1900	8,880	16	Four 10-inch Eight 6-inch Sixteen smaller light guns Two submerged torpedo tubes	624 }
Sinope (B.S.) .	1890	10,180	16	Six 12-inch Seven 6-inch Fourteen smaller guns Five submerged torpedo tubes	650

RUSSIA BATTLESHIPS BUILDING

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Imp. Aleksandr III type</i> . {	—	22,800	21	Twelve 12-inch Twenty 5.1-inch Four submerged torpedo tubes	—
Imp. Aleksandr III (B.S.) . .	—				
Imperatritza Mariya (B.S.) . .	—				
Ekaterina II (B.S.).	—				

BATTLE CRUISERS LAUNCHED

Borodino . .	—	32,200	29	Twelve 14-inch Twenty-four 5.1-inch	—
Ismail . .	—				
Kinburn . .	—				
Navarin . .	—				

CRUISERS

<i>Bayan type</i> . Bayan . . .	1911	7,775	21	Two 8-inch Eight 6-inch Thirty smaller light and machine guns Two submerged torpedo tubes	570
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RUSSIA

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Ryurik . . .	1907	15,190	21	Four 10-inch Eight 8-inch Twenty 4-7-inch Fourteen smaller light and machine guns Two submerged tor- pedo tubes	899
Admiral Makarov .	1908	7,760	22	Two 8-inch Eight 6-inch Thirty - two smaller light and machine guns Two submerged tor- pedo tubes	578
<i>Bogatir type</i> . Pamyat Merkuriya (B.S.)	1907	6,675	28	Twelve 6-inch Twenty - six smaller light and machine guns Two submerged tor- pedo tubes	570

RUSSIA

CRUISERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Bogatuir type</i> (<i>cont.</i>)	Oleg . . .	1904	6,675	23	Twelve 6-inch Fourteen smaller light and machine guns Two submerged tor- pedo tubes	570
	Kagul (B.S.) . .	1905	6,675	23	Twelve 6-inch Twenty - six smaller light and machine guns Two submerged tor- pedo tubes	570
	Bogatuir . . .	1902	6,650	20		
	Askold . . .	1901	5,905	23	Twelve 6-inch Twenty - four smaller light and machine guns Two submerged tor- pedo tubes	500

RUSSIA

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Avroca . . .	1908	6,730	20	Ten 6-inch Twenty-eight smaller light and machine guns Two submerged torpedo tubes	500
Gromoboi . .	1900	13,220	20	Four 8-inch Twenty-two 6-inch Thirty - one smaller light and machine guns Four submerged torpedo tubes	333
Rossiya . . .	1897	12,195	20	Four 8-inch Twenty-two 6-inch Thirty-three smaller light and machine guns	333
Almaz . . .	1904	3,285	19	Three 4.7-inch Fourteen smaller and light guns	340

RUSSIA **LIGHT CRUISERS BUILDING**

	Displacement (tons)	Speed (knots)
Admiral Greig . . .	7,600	82
Svietlana . . .	7,600	
Admiral Butakov . . .	7,600	
Admiral Spiridov . . .	7,600	
Admiral Nakhimov . . .	7,600	
Admiral Lazarev . . .	7,600	
Admiral Nevelskoi . . .	4,800	—
Muraviev Amurski . . .	4,800	

TORPEDO-BOAT DESTROYERS

Complement, 60-98

	Date of completion	Displacement (tons)	Horse- power	Armament
Bezpokoini Gnyevni Derzki Pronzitelni Gromki Pospyselni Buistri Pulki	1915	1,088	25,500 (T)	Three 4-inch Two machine guns Five double torpedo tubes

RUSSIA

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Novik	1912	1,200	86,000* (T)	Four 4-inch Two machine guns Four double torpedo tubes
Kapt. Saken (<i>late Leit. Pushchin</i>). Leit. Zatzarenni	1908	605	7,800	One 4-7-inch Five 11 pounder Six machine guns Three torpedo tubes
Kapt. Leit. Baranov Leit. Shestakov				
Leit. Malyečv In Mek Anastasov Tverdi	1906	297	8,800	One 11 pounder Three 8 pounder Two torpedo tubes
Tochni Trevozhni				
I. M. Zvyerev I. M. Dmitriev Bditelni	1907	850	6,000	Two 11 pounder Four machine guns Two torpedo tubes
Boevoi				
Burni				
Vnimatelni Vuinoelivi Vnushitelni				

RUSSIA

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Leit. Sergeyev	1907	344	6,000	Two 11 pounder Five 3 pounder Three torpedo tubes
Kapt. Yurasovski				
Dostoini	1907	350	5,700	Two 11 pounder Four machine guns Two torpedo tubes
Dyelni				
Dyeyatelni				
Rastoropni				
Razyashchi				
Stroini				
Storozhevoi	1906	615	7,800	Two 4-inch Two 3 pounder Four machine guns Three torpedo tubes
Silni				
Sibirski Stryelok	1906-07	570	6,500	Two 4-inch Two 1 pounder Two machine guns Three torpedo tubes
Gen. Kondratenko				
Pogranichnik				
Okhotnik	1906-07	880	5,700	Two 11 pounder Four machine guns Two torpedo tubes
Vsadnik				
Gaidamak				
Moskvityanin				
Dobrovoletz	1905-06			
Lovki				
Letuchi				
Likhoi				

RUSSIA

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Iskusni	1905-06	330	5,700	Two 11 pounder Four machine guns Two torpedo tubes
Ispolnitelni				
Kryepki				
Legki				
Leit. Burakov				
Moshchni				
Molodetski	1905	350	5,700	One 11 pounder Five 8 pounder Two torpedo tubes
Myetki				
Zorki				
Zvonki				
Leit. Pushchin (<i>late Zadorni</i>)				
Zavidni				
Zavyetni	1906-07	570	6,500	Two 4-inch Two 1 pounder Two machine guns Three torpedo tubes
Zhivoi				
Zhivuchi				
Zhutki				
Zharki				
Ussuriets				
Amuretz	1906-07	570	6,500	Two 4-inch Two 1 pounder Two machine guns Three torpedo tubes
Finn				
Emir Bukharski				

RUSSIA

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Zabaikaletz	1905-07	500	6,200	Two 4-inch Two 1 pounder Four machine guns Two torpedo tubes
Donskoi Kazak				
Steregushchi				
Strashni				
Kazanetz				
Turkhmenetz-Stavropolski	1905	350	5,700	Two 11 pounder Four machine guns Two torpedo tubes
Voiskovoi				
Ukraina				
Vidni				
Gromvaschi				
Grozni	1904	350	5,700	{ One 11 pounder Five 8 pounder Two torpedo tubes
Bodri	1903			
Boiki	1902			
Bravi	1902			
Strogi	1901	240	3,800	One 11 pounder Three 8 pounder Two torpedo tubes
Smyetlivi				
Sviryept				
Stremitelni				
Statni	1903			
Skori				
Smyeli				
Serditi				

RUSSIA

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Grozovoi	1902	308	5,700	One 11 pounder Five 3 pounder Two torpedo tubes
Vlastni				
Bezposhchadni	1900	344	6,000	One 11 pounder Five 3 pounder Three torpedo tubes
Bezshumni				
Bezstrashni				
Ryani	1901	220	3,800	Two 11 pounder Two torpedo tubes
Retivi				
Ryezvi				
Prozorlivi				
Poslushni				
Podvizhni				
Prochni	1896			
Pruitki				

TORPEDO-BOAT DESTROYERS BUILDING

Schastlivi Leit. Ilin Kapt. Konon Zotov Kapt. Kingsbergen	Kapt. Kroun Kapt. Belli Kapt. Izuilmetev Kapt. Kern	Leit. Dubasov Orphel Grom Zabiaka
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RUSSIA

TORPEDO-BOAT DESTROYERS BUILDING—*continued*

Pobieditel	Sokol	Grengamn
Letun	Leit. Lombard	Stirsuden
Desna	Gromonosetz	Patras
Samson	Avtroil	Khios
Azard	Bryachislav	Tenedos
Gavrill	Theodor-Stratilat	Ruimnik
Mikhail	Pryamislav	Smolensk
Vladimir	Hogland	Kulm
Konstantin		

25 TORPEDO-BOATS

SUBMARINES

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament
Morzh (B.S.)	} Due 1915	600	2,000	Eight torpedo tubes
Tyulen (B.S.)				
Nerpa (B.S.)				
Krab				
Akula				
Minoga	1918	492	—	Two torpedo tubes
	1909	360	300	Two torpedo tubes
	1910	117	300	Two torpedo tubes

RUSSIA

SUBMARINES—continued

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament
Krokodil	1910	450	1,200	Four torpedo tubes
Drakon				
Alligator				
Kaiman				
Karp (B.S.)	1907	200	250	One torpedo tube
Karas (B.S.)				
Makrel	—	150	—	One torpedo tube
Okun	—			
Kefal	—	185	—	Three torpedo tubes
Sig	—			
Sudak	—	110	—	Two torpedo tubes
Losos	—			
Sterlyad	—			
Byeluga	—			
Shchuka	—	115	—	Two torpedo tubes
Peekar	—			
Som	—	150	—	Four torpedo tubes
Delfin	—			
Kasatka	—	150	—	Four torpedo tubes
Skat.	—			
Nalim	—			
Graf Sheremetev	—			



RUSSIAN BATTLESHIP "ANDREI PERVOSVANYI"

Abraham



RUSSIAN BATTLESHIP "EMPEREUR PAUL I"

Abraham



RUSSIAN BATTLESHIP "TSAREVITCH"

Cribb

PLATE LXXX



Cribb

RUSSIAN BATTLESHIP "SLAVA"



RUSSIAN CRUISER "OLEG"

Cribb

PLATE LXXXII



RUSSIAN SUBMARINE

Cribb

RUSSIA **SUBMARINES BUILDING**

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament
Kit	—	750	—	Eight torpedo tubes
Kashalot	—			
Narval	—			
Lvitza	—	600	2,000	—
Kuguar	—			
Leopard	—			
Pantera	—			
Ruis.	—			
Tigr	—			
Tur	—			
Yaguar	—			
Bars.	—			
Vepr	—			
Volk	—			
Gepard	—			

AUSTRIA-HUNGARY

BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Viribus Unitis type</i>	Prinz Eugen . .	1915	20,010	20.5	Twelve 12-inch Twelve 5.9-inch Twenty-five smaller light and machine guns Four submerged torpedo tubes	962 988
	Tegetthoff . .	1918	20,010	20		
	Viribus Unitis .	1912	20,010	20		
<i>Radetzky type</i>	Zrinyi	1911	14,280	20	Four 12-inch Eight 9.4-inch Twenty 3.9-inch Twelve smaller light and machine guns Three submerged torpedo tubes	880
	Radetzky . . .	1911				
	Erzherzog Franz Ferdinand . .	1910				

AUSTRIA-HUNGARY

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Erzherzog type</i>	Erzherzog Ferdinand Max Erzherzog Friedrich Erzherzog Karl	1907 1906 1905	10,490	20	Four 9-4-inch Twelve 7-5-inch Twenty-four smaller light and machine guns Two submerged torpedo tubes	748
<i>Habsburg type</i>	Babenberg Arpád Habsburg	1904 1903 1902	8,167	19	Three 9-4-inch Twelve 5-9-inch Twenty-two smaller light and machine guns Two submerged torpedo tubes	638
<i>Monarch type</i>	Budapest Monarch Wien	1897 1896 1896	5,510	17	Four 9-4-inch Six 5-9-inch Fifteen smaller light and machine guns Two torpedo tubes	450

AUSTRIA-HUNGARY **BATTLESHIP LAUNCHED**

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Viribus Unitis</i> type . . . Szent Istvan *	—	20,010	20.5	Twelve 12-inch Twelve 5.9-inch Twenty-five smaller light and machine guns Four submerged tor- pedo tubes	900
CRUISERS					
Sankt Georg . .	1906	7,183	22	Two 9.4-inch Five 7.5-inch Four 5.9-inch Twenty-three smaller light and machine guns Two submerged tor- pedo tubes	628
Kaiser Karl VI	1900	6,200	20	Two 9.4-inch Eight 5.9-inch Nineteen smaller light and machine guns Two torpedo tubes	535

* Launched January 17, 1914.

AUSTRIA-HUNGARY **LIGHT CRUISERS**

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Admiral Spaun .	1910	8,444	27	Seven 8-9-inch One machine gun Two torpedo tubes	320
Szigetvar . . .	1901	2,263	} 20	Eight 4-7-inch Eleven smaller light and machine guns Two torpedo tubes	305
Aspern	1900	2,862			
Kaiserin und Königin Maria Theresia	1894	5,118	19	Two 7-5-inch Eight 5-9-inch Nineteen smaller light and machine guns Four torpedo tubes	500
Kaiser Franz Joseph I	1890	3,936	19	Eight 5-9-inch Nineteen smaller light and machine guns Three torpedo tubes	420
Panther	1887	} 1,505	18	Fourteen small light and machine guns Four torpedo tubes	183
Leopard	1888				

AUSTRIA-HUNGARY **LIGHT CRUISERS COMPLETING**

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Saida . . .	—	} 3,444	27	Nine 3-9-inch Two smaller light and machine guns Two torpedo tubes	320
Helgoland . .	—				
Novara . . .	—				

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Horse-power	Armament
Lika.	1915	} 787	17,000 (T)*	Two 3-9-inch Six 11 pounder Two torpedo tubes
Orjen	1915			
Triglav	1915			
Csepel	1913	} 787	17,000 (T)*	Two 3-9-inch Four 11 pounder Two torpedo tubes
Tatra	1913			
Balaton	1913			

* Designed.

AUSTRIA-HUNGARY
TORPEDO-BOAT DESTROYERS—continued

	Date of completion	Displacement (tons)	Horse-power	Armament
Huszar	1909	394	6,000	Six 11 pounder Two torpedo tubes
Dinara	1909	394	6,000	One 11 pounder Seven 8 pounder Two torpedo tubes (<i>Reka, Turul, Uskoke, Streiter, Ulan</i> have six 11 pounder in lieu of one 11 pounder, seven 8 pounder)
Csikos	1909			
Reka	1909			
Velebit	1909			
Turul	1908			
Pandur	1908			
Uskoke	1907			
Scharfschütze	1907			
Streiter	1906	394	6,000	
Ulan	1906			
Wildfang	1906			

58 TORPEDO BOATS

AUSTRIA-HUNGARY **SUBMARINES**

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament
VI	} 1909	232	500	} Two torpedo tubes
V		<u>269</u>		
IV	} 1908	236	600	} Two torpedo tubes
III		<u>296</u>		
II	} 1910	226	640	} Three torpedo tubes
I		<u>266</u>		

SUBMARINES BUILDING

VII, VIII, IX, X, XI



AUSTRIAN BATTLESHIP "RADETSKY"

Cribb



AUSTRO-HUNGARIAN BATTLESHIP "HABSBURG"

Cribb

SPAIN

BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
España	1913	15,800	20	Eight 12-inch Twenty 4-inch Two 8 pounder Three torpedo tubes	700
Pelayo	1890 (refitted 1897)	9,900	16	Two 12.5-inch Two 11-inch Nine 5.5-inch Seven torpedo tubes	600

BATTLESHIPS COMPLETING

Alfonso XIII	—	—	} 20	Eight 12-inch Twenty 4-inch Two 8 pounder Three torpedo tubes	700
Jaime I	—	15,800			

CRUISERS

Cataluña	1908	6,889	19	Two 9.4-inch Eight 5.5-inch Eight 6 pounder Five torpedo tubes	546
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SPAIN

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Princesa de Asturias . . .	1902	6,889	18	Two 9-4-inch Ten 5-5-inch Eight 6 pounder Five torpedo tubes	546
Carlos V	1898	9,089	20	Two 11-inch Eight 5-5-inch Four 8-9-inch Six torpedo tubes	588
Extremadura	1902	2,080	20	Eight 4-inch Four 2-2-inch	246
Reina Regente	1908	5,287	20	Ten 5-5-inch Twelve 2-2-inch Three torpedo tubes	490
Río de la Plata	1899	1,778	20	Two 5-5-inch Four 8-9-inch Four 2-2-inch Two torpedo tubes	210

4 TORPEDO GUNBOATS
31 TORPEDO BOATS

9 GUNBOATS
6 SUBMARINES PROJECTED

7 DESTROYERS

GREECE

BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Lemnos</i> (<i>as Idaho</i> *)	1908	18,000	17	Four 12-inch Eight 8-inch Eight 7-inch Thirty smaller light and machine guns Two submerged torpedo tubes	800
<i>Kilkis</i> (<i>as Mississippi</i> *)					
<i>Psara</i>	1892	4,800	17	Three 10-6-inch Five 5-9-inch One 3-9-inch Eight 9 pounder Three torpedo tubes	400
<i>Spetsai</i>	1891				
<i>Hydra</i>	1891				

* Purchased from the American Government.

GREECE

BATTLE CRUISER BUILDING

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Salamis</i> *	—	19,500	25	Eight 14-inch Twelve 6-inch Twelve 3-inch Five torpedo tubes	—

CRUISERS

<i>Giorgios Averoff</i>	1911	9,956	24	Four 9.2-inch Eight 7.5-inch Sixteen 3-inch Three torpedo tubes	520
<i>Helli (ex Fci Hung)</i>	1914	2,600	22	Two 6-inch Four 4-inch Two 12 pounder Two torpedo tubes	330

14 TORPEDO-BOAT DESTROYERS

18 TORPEDO BOATS

2 SUBMARINES

* The *Salamis* is being built at the Vulkan Works, Stettin, and is likely to be taken over by the German Government. The guns, together with the armour, were to be supplied by the Bethlehem Steel Co., U.S.A., as Greece refused to have the Krupp 14-inch gun, which is stated to have been an utter failure on Meppen proving-range. This weapon was produced in 1911 by Krupp as a reply to the British 13.5 gun.

TURKEY

BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Kheyr-ed Din Barbarossa (<i>ex Kurfürst Friedrich Wilhelm</i>) * .	1894	} 9,900	17	Six 11-inch Eight 4-1-inch Eight 8-4-inch Three torpedo tubes	500
Torgud Reiss (<i>ex Weissenburg</i>) * .	1898				

BATTLE CRUISER

Sultan Janus Selim (<i>ex Goeben</i>) †	1912	22,640	28	Ten 11-inch Twelve 5-9-inch Twelve 8-4-inch Four torpedo tubes	1,010
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* These two battleships were purchased from Germany.

† The *Goeben* joined the Turkish fleet in August 1914, and is said to have changed her name to the *Sultan Janus Selim*.

TURKEY CRUISERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Mitylene (<i>ex Breslau</i>)*	1912	4,500	23	Twelve 4.1-inch Two torpedo tubes	373
Hamidieh	1904	3,800	22	Two 6-inch Eight 4.7-inch Two torpedo tubes	300

TORPEDO CRUISERS

Berk-i-Satvet	}	1907	775	22	Two 4-inch Six 6 pounder Three torpedo tubes	105
Peik-i-Shevkct						
Pelenk-i-Deria		1891	900	20	Two 4-inch Sixteen machine guns Two torpedo tubes	110

10 DESTROYERS

7 TORPEDO BOATS

6 Ocean-going Destroyers, corresponding to the British Flotilla Leaders, are in hand at the French yard of Normand et Cie. It is to be presumed that they will be taken over by France.

* Joined the Turkish fleet with the *Gosben*.

SWEDEN

COAST-DEFENCE SHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Oscar II	1907	4,650	18	Two 8·2-inch Eight 5·9-inch Ten 6 pounder Two torpedo tubes	320
Acran	1902	3,650 3,840	17	Two 8·2-inch Six 5·9-inch Ten 2·2-inch Two torpedo tubes	300
Wasa	1903				
Tapperheten	1904				
Manligheten	1906				
Dristigheten	1901	3,445	16	Two 9·8-inch Six 4·7-inch Ten 2·2-inch One torpedo tube	269
Thor	1899				
Njord	1899				
Oden	1896				
Svea	1887	3,251	15	One 8·2-inch Seven 5·9-inch Eleven 2·2-inch One torpedo tube	269
Göta	1891	3,238	16		
Thule	1894	3,248	16		

SWEDEN
ARMoured CRUISER

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Fylgia	1907	4,800	22	Eight 5·9-inch Fourteen 6 pounder Two torpedo tubes	825

ARMoured CRUISER COMPLETING

Sverige	—	6,690	22	Four 11-inch Eight 6-inch Six 12 pounder Two torpedo tubes	410
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5 TORPEDO GUNBOATS

39 TORPEDO BOATS

8 DESTROYERS

6 SUBMARINES

5 SUBMARINES (BUILDING)

NORWAY

COAST-DEFENCE SHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Norge	1901	4,200	16	Two 8·2-inch Six 5·9-inch Eight 12 pounder Two torpedo tubes	260
Eidsvold					
Harald Haarfagre	1898	3,700	17	Two 8·2-inch Six 4·7-inch Six 12 pounder Two torpedo tubes	250
Torkenskjold	1899				

COAST-DEFENCE SHIPS BUILDING

Bjoergvin	}	—	4,900	16	Two 9·4-inch Four 5·9-inch Six 3-inch Two torpedo tubes	250
Nidaros						

NORWAY
GUN VESSELS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Frithjof	1898	1,849	15	Two 4-7-inch Four 2-9-inch Three torpedo tubes	156
Viking	1892	1,095	15	Two 5-9-inch Four 2-5-inch Three torpedo tubes	156

12 GUNBOATS
4 DESTROYERS

28 TORPEDO BOATS
5 SUBMARINES

HOLLAND

COAST-DEFENCE BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Zeven Provinciën . . .	1910	6,525	16	Two 11-inch Four 5·9-inch Ten 12 pounder	440
Jacob van Heemskerck . .	1908	5,150	16	Two 9·4-inch Six 5·9-inch Ten 12 pounder Three torpedo tubes	355
Marten Tromp	1906	5,800	16	Two 9·4-inch Four 5·9-inch Ten 2·9-inch Three torpedo tubes	383
De Ruijter	1904	} 5,100	16	Two 9·4-inch Four 5·9-inch Ten 2·9-inch Three torpedo tubes	377
Hertog Hendrik	1903				
Koningin Regentes . . .	1902				

HOLLAND

COAST-DEFENCE BATTLESHIPS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Evertzen	1896	3,464	16	Three 8·2-inch Two 5·9-inch Six 2·9-inch Three torpedo tubes	260
Kortenaer					
Piet-Hein					
Reinier Klaeszen	1892	2,440	12	One 8·2-inch One 6·6-inch One 2·9-inch Two torpedo tubes	160

CRUISERS

Gelderland	1900	8,969	20	Two 5·9-inch Six 4·7-inch Four 2·9-inch Four torpedo tubes	325
Noord-Brabant	1901				
Utrecht	1900				
Holland	1898	8,847	20	Two 5·9-inch Six 4·7-inch Four 2·9-inch	325
Zeeland					
Friesland					

HOLLAND

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
(E.I.) Edi	1898	797	18	Three 4·7-inch Two 2·9-inch	100
(E.I.) Serdang	1898	797			
(E.I.) Mataram	1898	797			
(E.I.) Koetel	1899	778			
(E.I.) Sumatra	1892	1,700	17	One 8·2-inch One 5·9-inch Two 4·7-inch	180

(E.I.) denotes vessels in the East Indian Navy

8 NEW ARMoured GUNBOATS

60 GUNBOATS FOR PROTECTION OF EAST INDIAN COLONIES

8 DESTROYERS

22 TORPEDO BOATS

6 SUBMARINES BUILT

4 SUBMARINES BUILDING

DENMARK

COAST-DEFENCE SHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Peder Skram	1909	3,740	16	Two 9·4-inch Four 5·9-inch Ten 12 pounder Four torpedo tubes	250
BUILDING : Niels Juel	—				
Olfert Fischer	1905	3,550	16	Two 9·4-inch Four 5·9-inch Ten 2·2-inch Three torpedo tubes	250
Herluf Trolle	1901				
Skjold	1899	2,115	18	One 9·4-inch Three 4·7-inch Four 6 pounder Four torpedo tubes	150
Iver Hvitfeldt	1889	3,208	16	Two 10·2-inch Ten 6 pounder Four torpedo tubes	265

DENMARK CRUISERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Heimdal	1896	1,260	17	Two 4·7-inch Four 8·4-inch Four torpedo tubes	155
Geiser	1898				
Hekla	1898	1,260	17	Two 6-inch Four 2·2-inch Four torpedo tubes	155

**9 DESTROYERS
15 TORPEDO BOATS
5 SUBMARINES**

PORTUGAL BATTLESHIP

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Vasco Da Gama	1877 (refitted 1908)	3,000	15	Two 8-inch Four 4·7-inch Two 2·5-inch Two torpedo tubes	220

CRUISERS

Republica	1901	1,840	17·5	Four 5·9-inch Two 3·9-inch Two 8 pounder Two torpedo tubes	278
São Gabriel	1899	1,772	17	Two 5·9-inch Four 4·7-inch One torpedo tube	242

PORTUGAL

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Almirante Reis	1899	4,100	22	Four 5·9-inch Eight 4·7-inch Twelve 8 pounder Five torpedo tubes	478
Adamastor	1897	1,962	18	Two 5·9-inch Four 4·7-inch Four 2·2-inch Three torpedo tubes	282

5 GUNBOATS

6 DESTROYERS

8 TORPEDO BOATS

1 SUBMARINE

3 SUBMARINES BUILDING

ROUMANIA

CRUISER

Name	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Elizabeta	1887	1,320	17	Four 5.9-inch Four 6 pounder Four torpedo tubes	260

8 GUNBOATS

4 DESTROYERS BUILDING

4 MONITORS

8 TORPEDO BOATS

1 SUBMARINE BUILDING AT THE FIAT WORKS, SPEZIA

BULGARIA

TORPEDO GUNBOAT (715 TONS)

6 TORPEDO BOATS

2 ARMoured GUNBOATS

UNITED STATES BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>Texas type</i>	{ Texas . : : New York . : }	1914 1915	} 27,000	21.12	Ten 14-inch Twenty-one 5-inch Ten smaller light and machine guns Four submerged tor- pedo tubes	1,025
<i>Arkansas type</i>	{ Arkansas . : : Wyoming . : }	1912	26,000	20.5	Twelve 12-inch Twenty-one 5-inch Eight smaller light and machine guns Two submerged tor- pedo tubes	1,036
<i>Florida type</i>	{ Florida . : : Utah . : }	1911	21,825	20.75	Ten 12-inch Sixteen 5-inch Ten smaller light and machine guns Two submerged tor- pedo tubes	940

UNITED STATES
BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Delaware type</i>	{ Delaware . North Dakota . }	1909	20,000	21	Ten 12-inch Fourteen 5-inch Eighteen smaller light and machine guns Two submerged tor- pedo tubes	927
<i>Michigan type</i>	{ Michigan . South Carolina . }	1909	16,000	18.5	Eight 12-inch Thirty-eight smaller light and machine guns Two submerged tor- pedo tubes	805
<i>Connecticut type</i>	{ New Hampshire . Vermont . Kansas . Minnesota . Louisiana . Connecticut . }	1908 1907 1907 1907 1906 1906	16,000	18	Four 12-inch Eight 8-inch Twelve 7-inch Forty smaller light and machine guns Four submerged tor- pedo tubes	808

UNITED STATES

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Georgia type</i>	{ Nebraska . . .	1907	14,948	19	Four 12-inch Eight 8-inch Twelve 6-inch Thirty - four smaller light and machine guns Four submerged torpedo tubes	812
	{ Rhode Island . . .	1906				
	{ Georgia . . .	1906				
	{ New Jersey . . .	1906				
	{ Virginia . . .	1906				
<i>Maine type</i>	{ Ohio . . .	1904	12,500	18	Four 12-inch Sixteen 6-inch Twenty smaller light and machine guns Two submerged torpedo tubes	799
	{ Missouri . . .	1908	12,500	18	Four 12-inch Sixteen 6-inch Eighteen smaller light and machine guns Two submerged torpedo tubes	799

UNITED STATES

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Maine type</i> (cont.)	Maine . . .	1902	12,500	18	Four 12-inch Sixteen 6-inch Twenty smaller light and machine guns Two submerged tor- pedo tubes	799
	Illinois . . .	1901	11,552	16	Four 13-inch Fourteen 6-inch Twenty smaller light and machine guns	686
<i>Illinois type</i> .	Wisconsin . . .	1901	11,552	16	Four 13-inch Fourteen 6-inch Twenty smaller light and machine guns One torpedo tube	686
	Alabama . . .	1900	11,552	16	Four 13-inch Fourteen 6-inch Sixteen smaller light and machine guns	686

UNITED STATES
BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>Kearsarge type</i> .	Kearsarge . . .	1899	11,520	16	Four 18-inch Four 8-inch Eighteen 5-inch Eighteen smaller light and machine guns One torpedo tube	726
	Kentucky . . .	1899	11,520	16	Four 18-inch Four 8-inch Eighteen 5-inch Eighteen smaller light and machine guns	753
	Iowa	1897	11,846	16.5	Four 12-inch Eight 8-inch Ten 4-inch Ten smaller light and machine guns	683

UNITED STATES

BATTLESHIPS COMPLETING

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Nevada type</i> . { Nevada . : : Oklahoma . : : }	1915	27,500	21	Ten 14-inch Twenty-one 5-inch Ten smaller light and machine guns Four submerged torpedo tubes	868

BATTLESHIPS BUILDING

<i>Pennsylvania type</i> { Pennsylvania* . : Arizona . : }	— —	81,400	21	Twelve 14-inch Twenty-two 5-inch Ten smaller light and machine guns Four submerged torpedo tubes	1,002
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BATTLESHIPS PROJECTED

California . : Mississippi . : Idaho . : }	—	89,220	—	Eight 16-inch (?) Twenty-one 5-inch (?)	—
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* Launched March 16, 1915.

UNITED STATES CRUISERS (ARMoured)

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
<i>Tennessee type</i>	North Carolina .	1908	14,500	22	Four 10-inch Sixteen 6-inch Forty smaller light and machine guns Four submerged tor- pedo tubes	858
	Montana . .	1908				
	Washington . .	1906				
	Tennessee . .	1906				
<i>Milwaukee type</i>	St. Louis . .	1906	9,700	22	Fourteen 6-inch Forty-six smaller light and machine guns	727
	Milwaukee . .	1906				
	Charleton . .	1905				
<i>West Virginia type</i>	South Dakota .	1908	13,680	22	Four 8-inch Fourteen 6-inch Forty smaller light and machine guns Two submerged tor- pedo tubes	829
	California . .	1907				
	Maryland . .	1905				
	Pittsburg . .	1905				
	Colorado . .	1905				
	West Virginia .	1905				
	Brooklyn . .	1896	9,215	21	Eight 8-inch Twelve 5-inch Fourteen smaller light and machine guns	572

UNITED STATES LIGHT CRUISERS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
	Chester . .	1908	8,750	26	Two 5-inch Eight smaller light and machine guns Two submerged tor- pedo tubes	373
	Birmingham . .	1908	8,750	24		
	Salem . .	1908	8,750	25		
<i>Denver type</i> .	{ Galveston . .	1905	8,200	16	Ten 5-inch Fifteen smaller light and machine guns	302
	{ Chattanooga . .	1905	8,200	17		
	{ Tacoma . .	1904	8,200	16		
	{ Denver . .	1904	8,200	17		
	{ Des Moines . .	1904	8,200	17		
	{ Cleveland . .	1908	8,200	16		
<i>New Orleans type</i>	{ Albany . .	1900	8,430	20	Ten 5-inch Thirteen smaller light and machine guns	366
	{ New Orleans . .	1898				
<i>Columbia type</i> .	{ Minneapolis . .	1894	7,850	22	One 8-inch Two 6-inch Eight 4-inch Seventeen smaller light and machine guns (<i>Columbia</i> , twenty- one)	470
	{ Columbia . .	1898				

UNITED STATES
LIGHT CRUISERS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Raleigh type</i>	{ Raleigh. Cincinnati	1894	3,183	19	Eleven 5-inch Eleven smaller light and machine guns	318

COAST-DEFENCE VESSELS (ARMOURED)

		Date of completion	Displacement (tons)	Horse-power	Armament
<i>Ozark type.</i>	Tallahassee (<i>late Florida</i>)	1903	3,225	2,390	Two 12-inch Four 4-inch Eleven (<i>Cheyenne</i> , nine) smaller light and machine guns
	Tonopah (<i>late Nevada</i>)	1903	3,225	2,000	
	Ozark (<i>late Arkansas</i>)	1902	3,225	1,830	
	Cheyenne (<i>late Wyoming</i>)	1902	3,225	2,450	
	Monterey	1893	4,084	5,250	Two 12-inch Two 10-inch Eleven smaller light and machine guns

UNITED STATES
COAST-DEFENCE VESSELS—continued

		Date of completion	Displacement (tons)	Horse-power	Armament
<i>Terror type</i>	Terror . . .	1885	3,990	1,600	Four 10-inch Four 4-inch Six smaller light and machine guns
	Amphitrite . .	1885	3,990	1,600	Four 10-inch Two 4-inch Seven smaller light and machine guns
	Monadnock . .	1885	3,990	2,160	Four 10-inch Two 4-inch Seven smaller light and machine guns
	Puritan. . .	1884	6,060	3,700	Four 12-inch Six 4-inch Ten smaller light and machine guns
	Miantonomoh .	1876	3,990	1,420	Four 10-inch Four smaller light and machine guns

UNITED STATES

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Downas	1914	1,072	29.5	Four 4-inch Two machine guns Three double torpedo tubes	98
Balch	1914	1,086			
Aylwin	1914	1,086			
Parker	1914	1,086			
Benham	1914	1,086			
Cassin	1918	1,020			
Cummings	1918	1,020	29.5	Four 4-inch Two machine guns Three double torpedo tubes	98
Duncan	1918	1,014			
Fanning	1912	742			
Jarvis	1912	742			
Henley	1912	742			
Beale	1912	742			
Jouett	1912	742	30	Five 18 pounder Two machine guns Three double torpedo tubes	89
Jenkins	1912	742			
Patterson	1911	742			
Monaghan	1911	742			
Walke	1911	742			
Ammen	1911	742			
Mayrant	1911	742	30	Five 18 pounder Two machine guns Three double torpedo tubes	89
Warrington	1911	742			
Paulding	1910	742			
Drayton	1910	742			
Trippe	1911	742			

UNITED STATES

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Perkins	1910	742	30	Five 18 pounder Two machine guns Three double torpedo tubes	89
Sterrett	1910	742			
Burrows	1911	742			
McCall	1910	742			
Roe	1910	742			
Terry	1910	742	28	Five 18 pounder Two machine guns Three torpedo tubes	89
Smith	1909	700			
Lamson	1909	700			
Flusser	1909	700			
Reid	1909	700	28	Two 18 pounder Five 6 pounder Two torpedo tubes	89
Preston	1909	700			
Hopkins	1908	408	28	Two 18 pounder Six 6 pounder Two torpedo tubes	89
Hull	1908	408	28	Two 18 pounder Six 6 pounder Two torpedo tubes	89
Barry	1902	420	28	Two 18 pounder Five 6 pounder Two torpedo tubes	64
Stewart	1902	420			
Paul Jones	1902	420			
Bainbridge	1902	420			
Chauncey	1902	420			
Preble	1902	420			

UNITED STATES

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Worden	1902	488	} 28	Two 18 pounder Six 6 pounder Two torpedo tubes	64
Whipple	1902	438			
Truxtun	1902	488			
Dale	1902	420	} 28	Two 18 pounder Five 6 pounder Two torpedo tubes	64
Decatur	1902	420			
Perry	1902	420			
Lawrence	1903	400	28	Two 18 pounder Seven 6 pounder Two torpedo tubes	64
Macdonough	1903	400	28	Two 18 pounder Seven 6 pounder Two torpedo tubes	64

TORPEDO-BOAT DESTROYERS COMPLETING

1912 Programme	O'Brien	.	—	}	1,052	}	—	Four 4-inch Four double torpedo tubes	—
	Nicholson	.	—						
	Winalow	.	—						
	McDougal	.	—	1,025					
	Cushing	.	—	1,050					
1913 Programme	Ericsson	.	—	}	1,090	}	—		
	Six	.	—						

20 TORPEDO BOATS

UNITED STATES SUBMARINES

	Date of completion	Displacement (tons)	Horse- power (surface)	Armament	Comple- ment
K. 1	1914	—	—	Six torpedo tubes	18
K. 2	1914	— 521	—	Six torpedo tubes	18
G. 4	1914	858 458	1,000	Four torpedo tubes	18
G. 2	1914	— 475	1,200	Six torpedo tubes	18
H. 2	1918	— 467	—	Four torpedo tubes	18
H. 1	1918	— 467	—	Four torpedo tubes	18
G. 1	1912	— 500	1,200	Four torpedo tubes	18
F. 3	1912	} 825 400 290 350	780	Four torpedo tubes	18
F. 2	1912				
F. 1	1912				
E. 2	1912				
E. 1	1912	} 278 840	600	Four torpedo tubes	10
D. 3	1910				
D. 2	1909				
D. 1	1909				

UNITED STATES

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Complement
C. 5	1909	255 278	500	Two torpedo tubes	10
C. 4	1909				
C. 3	1909				
C. 2	1909				
C. 1	1908	255 278	250	One torpedo tube	7
B. 3	1907	170			
B. 2	1907	200			
B. 1	1907	105			
A. 7	1908	122.5 108 125	160	One torpedo tube	7
A. 6	1908				
A. 5	1908				
A. 4	1908				
A. 3	1908	105 125	160	One torpedo tube	7
A. 2	1908	105 122.5			

UNITED STATES
SUBMARINES COMPLETING AND BUILDING

	Date of completion	Displacement (tons)	Horse- power (surface)	Armament	Comple- ment
G. 3	—	— 460	1,200	Six torpedo tubes	—
H. 3	—	— 487	—	—	—
K. 3	—	— 521	—	—	—
K. 4	—	— 521	—	—	—
K. 5	—	— 519	—	—	—
K. 6	—	— 519	—	—	—
K. 7	—	— 519	—	—	—
K. 8	—	— 519	—	—	—
L. 1	—	— 600	—	—	—
L. 2	—	— 600	—	—	—
L. 3	—	— 600	—	—	—



U.S.S. "TEXAS"
Battleship

Underwood

PLATE LXXXVI



U.S.S. "ARKANSAS"
Battleship

Underwood



Underwood

U.S.S. "FLORIDA"
Battleship



Underwood

U.S.S. "DELAWARE"
Battleship



U.S.S. " MICHIGAN "
Battleship

Underwood

PLATE XC



Underwood

U.S.S. "IDAHO"
Battleship
Sold to Greek Government



U.S.S. "CONNECTICUT"
Battleship

Underwood

PLATE XCII

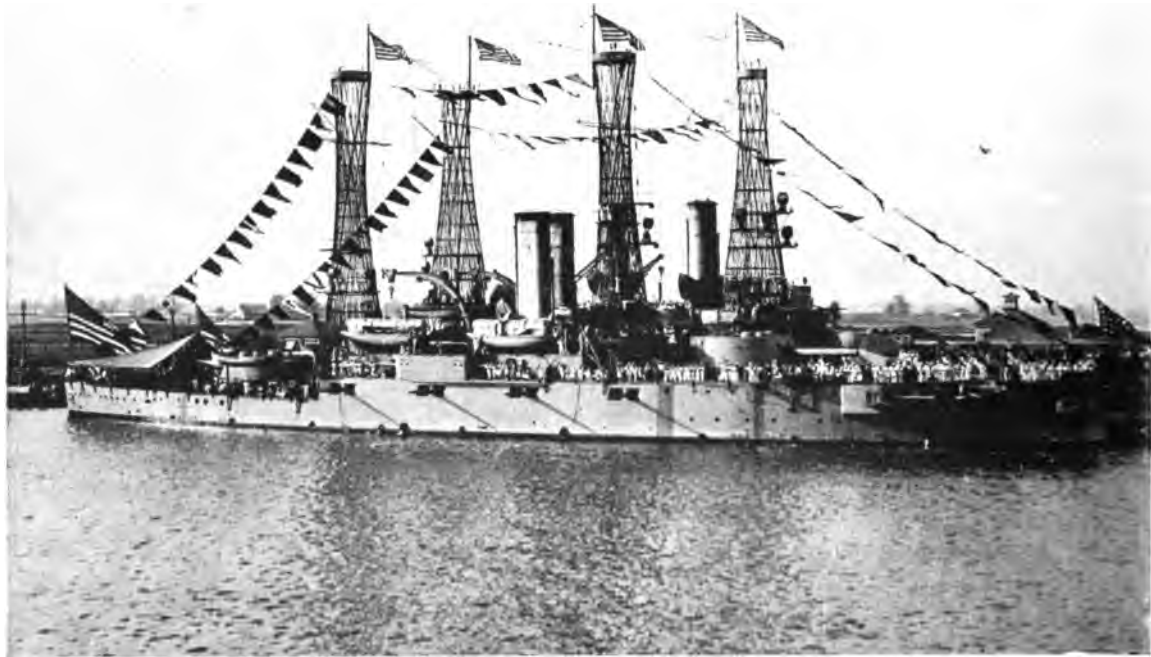


U.S.S. "GEORGIA"
Battleship



Underwood

U.S.S. "MAINE"
Battleship



U.S.S. "ILLINOIS"
Battleship

Underwood



Underwood

U.S.S. "TENNESSEE"
Cruiser

PLATE XCVI



U.S. DESTROYER

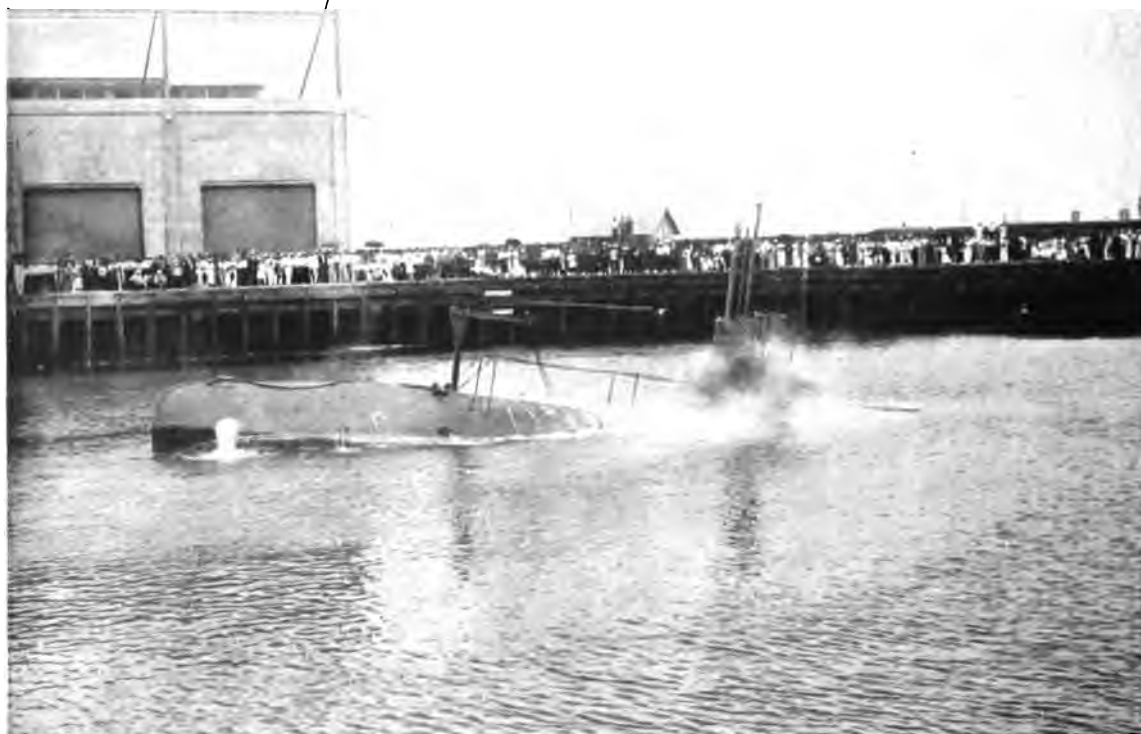
Underwood



U.S. SUBMARINE "TARANTULA"

Underwood

PLATE XCVIII



U.S. SUBMARINE RISING TO THE SURFACE

Underwood

UNITED STATES

SUBMARINES—continued

	Date of completion	Displacement (tons)	Horse-power (surface)	Armament	Complement
L. 4	—	— 600	—	—	—
L. 5	—	— 780	—	—	—
L. 6	—	— 565	—	—	—
L. 7	—	— 565	—	—	—
M. 1	—	— 565	—	—	—

SEAGOING SUBMARINE BUILDING

The Schley | — | 1100 | — | Ten torpedo tubes | —

Tenders to Submarines

— Bushnell	—	8,600	—	Four 5-inch Two 8 pounder One twin torpedo tube	—
— Fulton	—	1,408	—	Four 8-inch	—

ARGENTINA BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Rivadavia.	—	80,000	22	Twelve 12-inch Twelve 6-inch Sixteen 4-inch Two torpedo tubes	—
Moreno					

These two battleships, built at Quincy, Mass., U.S.A., do not appear to have been delivered to the Argentine Government. At the beginning of 1914 the "Argentine Times" remarked, with reference to the RIVADAVIA, that "her defects are so general that she ought to be rebuilt, and it would be a good thing if the Government were to let the constructors keep this expensive and useless ornament."

CRUISERS

Pueyrredon	1901	7,000	20	Two 10-inch Ten 6-inch Six 4-7-inch Four 2-2-inch Four torpedo tubes	500
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ARGENTINA

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
General Belgrano	1899	7,069	20	Two 10-inch Fourteen 6-inch Two 8-inch Four 2·2-inch Four torpedo tubes	520
General San Martin	1898	7,000	19	Four 8-inch Ten 6-inch Six 4·7-inch Four 2·2-inch Four torpedo tubes	540
Garibaldi	1896	7,000	19	Two 10-inch Ten 6-inch Six 4·7-inch Four 2·2-inch	500
Buenos Aires	1895	4,700	23	Two 8-inch Four 6-inch Six 4·7-inch Three torpedo tubes	480

ARGENTINA

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Nueve de Julio	1892	3,570	22	Four 6-inch Eight 4·7-inch Four 8 pounder Five torpedo tubes	300
25 de Mayo	1892	3,200	22	Two 8·2-inch Eight 4·7-inch Four 8 pounder Six torpedo tubes	200
Independencia	1893	} 2,336	14	Two 9·4-inch Four 4·7-inch Four 8 pounder	220
Libertad	1892				

4 TORPEDO GUNBOATS

15 DESTROYERS

8 TORPEDO BOATS

CHILI BATTLESHIP

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Comple- ment
Capitao Prat	1898	5,980	18	Four 9-4-inch Eight 4-7-inch Ten 12 pounder Four torpedo tubes	480

CRUISERS

Almirante O'Higgins . . .	1898	8,500	21	Four 8-inch Ten 6-inch Four 4-7-inch Ten 12 pounder Three torpedo tubes	500
Esmeralda	1897	7,020	22	Two 8-inch Sixteen 6-inch Eight 12 pounder Three torpedo tubes	500
Chacabuco	1908	4,500	23	Two 8-inch Ten 4-7-inch Sixteen 1-8-inch Five torpedo tubes	350

CHILI

CRUISERS—*continued*

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Blanco Encalado . . .	1894	4,400	22	Two 8-inch Ten 6-inch Twelve 8 pounder Five torpedo tubes	320
Ministro Zenteno . . .	1898	3,600	20	Eight 6-inch Ten 6 pounder Three torpedo tubes	280
President Errázuriz . . .	1892	2,047	18	Four 6-inch Two 4.7-inch Four 2.2-inch Three torpedo tubes	171

2 TORPEDO GUNBOATS

12 DESTROYERS

6 FIRST-CLASS TORPEDO BOATS

2 SUBMARINES

BRAZIL

BATTLESHIPS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
São Paulo	1910	19,500	} 21	Twelve 12-inch Twenty-two 4-7-inch Eight 8 pounder Four torpedo tubes	900
Minas Geraes	1909	21,200			

BATTLESHIP ORDERED

Riachuelo	—	80,000	22	Eight 15-inch Fourteen 6-inch	—
-------------------	---	--------	----	----------------------------------	---

COAST-DEFENCE SHIPS

Marshall Deodoro	1900	} 8,112	15	Two 9-4-inch Four 4-7-inch Six 6 pounder Two torpedo tubes	200
Marshall Floriano	1901				

BRAZIL CRUISERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Bahia Rio Grande do Sul	1910	3,100	27	Ten 4-7-inch Eight 1-8-inch Two torpedo tubes	320
Barroso	1897	3,600	20	Six 6-inch Four 4-7-inch Ten 6 pounder Three torpedo tubes	300
Benjamin Constant	1894	2,707	14	Four 6-inch Eight 4-7-inch Two 12 pounder Four torpedo tubes	280

1 MINE-LAYER
1 GUNNERY SHIP
3 TORPEDO GUNBOATS
10 DESTROYERS

4 NEW TORPEDO BOATS
15 GUNBOATS
3 SUBMARINES

ECUADOR

TORPEDO CRUISER

	Date of completion	Displacement (tons)	Speed (knots)	Armament
Libertador Bolivar (<i>ex Almirante Simpson</i>) }	1896	812	21	Two 4-7-inch Four smaller guns Three torpedo tubes

1 TORPEDO BOAT

COLOMBIA

1 LIGHT CRUISER (1,200 TONS) BOUGHT FROM MOROCCO

4 GUNBOATS

CUBA

1 LIGHT CRUISER (2,055 TONS)

1 GUNBOAT

M

URUGUAY

1 LIGHT CRUISER (1,100 TONS)

2 GUNBOATS

VENEZUELA

2 GUNBOATS

SAN DOMINGO

1 LIGHT CRUISER

1 GUNBOAT

HAYTI

1 LIGHT CRUISER, THE *FERRIER* (2,245 TONS)
(Armament, eight 4·7-inch)

MEXICO

CRUISER-GUNBOATS

	Date of completion	Displacement (tons)	Speed (knots)	Armament
Progrese	1908	1,590	14	Four 4-inch
Bravo	} 1905	1,280	17	Two 4-inch Six 6 pounder One torpedo tube
Morero				
Tampico	} 1903	1,000	16	Two 4-inch Two 6 pounder One torpedo tube
Vera Cruz				
Zaragoza	1892	1,200	15	Two 4-7-inch Two 6 pounder Two 1 pounder

3 OLD GUNBOATS

5 TORPEDO BOATS

PERU
ARMoured CRUISER (BOUGHT FROM FRANCE)

	Date of completion	Displacement (tons)	Speed (knots)	Armament
Commandante Elias-Aguirre .	1898	6,300	18	Two 7-6-inch Six 6-4-inch Two torpedo tubes

LIGHT CRUISERS

Coronel Bolognesi . . .	1907	} 3,200	24	Two 6-inch Eight 14 pounder Two torpedo tubes
Almirante Grau . . .	1906			
Lima	1882	1,700	16	Two 6-inch Three 8 pounder
Eclaireur	1879	1,658	14	Six 5-5-inch

4 GUNBOATS
1 DESTROYER
2 SUBMARINES

JAPAN

BATTLESHIPS

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Kawachi type</i>	{ Settsu . . . Kawachi . . .	1912	20,800	21	Twelve 12-inch Ten 6-inch Eight 4-7-inch Sixteen smaller light and machine guns Five submerged tor- pedo tubes	1,100
	{ Aki . . .	1910	19,800	20	Four 12-inch Twelve 10-inch Eight 6-inch Sixteen smaller light and machine guns Five submerged tor- pedo tubes	940
<i>Satsuma type</i>	{ Satsuma . . .	1910	19,850	—	Four 12-inch Twelve 10-inch Twelve 4-7-inch Eight smaller light and machine guns Five submerged tor- pedo tubes	940

JAPAN

BATTLESHIPS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Katori type</i> . { <i>Kashima</i> . . <i>Katori</i> . .	1906 1906	16,400 15,975	19	Four 12-inch Four 10-inch Twelve 6-inch Nineteen smaller light and machine guns Five submerged tor- pedo tubes	864
<i>Iwami (ex Ore)</i> .	1904	18,516	18	Four 12-inch Six 8-inch Twenty - four smaller light and machine guns Three torpedo tubes (two submerged)	740
<i>Hizen (ex Retvizan)</i>	1902	12,700	18	Four 12-inch Twelve 6-inch Twenty smaller light guns Two submerged tor- pedo tubes	778

JAPAN

BATTLESHIPS—continued

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Suwo type</i>	{ <i>Suwo (ex Pobieda)</i> .	1902	12,674	18	Four 10-inch Ten 6-inch Twenty - two smaller light and machine guns Two submerged torpedo tubes	732
	{ <i>Sagami (ex Peresvyet)</i>	1901	12,674	18	Four 10-inch Ten 6-inch Twenty smaller light guns Two submerged torpedo tubes	732
	<i>Mikasa</i> . . .	1901	15,862	18	Four 12-inch Fourteen 6-inch Twenty - six smaller light guns Four submerged torpedo tubes	875

JAPAN

BATTLESHIPS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Shikishima type</i>	Asahi . . .	1900	14,765	18	Four 12-inch Fourteen 6-inch Twenty - six smaller light guns Four submerged torpedo tubes	835
	Shikishima . .	1900	14,580	18	Four 12-inch Fourteen 6-inch Twenty - six smaller light guns Five torpedo tubes (four submerged)	842
	Fuji . . .	1897	12,649	19	Four 12-inch Ten 6-inch Twenty - four smaller light and machine guns Five torpedo tubes (four submerged)	741
	Okinoshima (as General Admiral Apraksin)	1898	4,128	15	Three 10-inch Four 4-7-inch Twelve smaller light guns	818

JAPAN

BATTLESHIPS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Tango (<i>ex Pola</i>)	1900	10,960	16	Four 12-inch Twelve 6-inch Fourteen smaller light guns Two torpedo tubes	700
Mishima (<i>ex Admiral Senyavin</i>)	1896	4,960	16	Four 10-inch Four 4.7-inch Six smaller light guns	318

BATTLESHIP COMPLETING

Fuso* . . .	—	30,600	23	Twelve 14-inch Sixteen 6-inch Four high-angle 12 pounder	—
-------------	---	--------	----	--	---

BATTLESHIPS BUILDING

Yayeyama . . .	} Similar to the <i>Fuso</i>
No. 2 . . .	
No. 8 . . .	

* The *Fuso* should be completed this year (1915). The twelve 14-inch guns will be carried in six turrets, all arranged on a centre line.

JAPAN **BATTLE CRUISERS**

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Kongo . . .	1918	} 27,500	25	Eight 14-inch Sixteen 6-inch Eighteen smaller guns Eight torpedo tubes	1,100
Hiei . . .	1915				

BATTLE CRUISERS LAUNCHED

Kirishima . . .	} —	27,500	25	Eight 14-inch Sixteen 6-inch Eighteen smaller guns Eight torpedo tubes	1,100
Haruna . . .					

CRUISERS

<i>Kurama type</i> . {	Kurama . . .	1910	} 14,600	22	Four 12-inch Eight 8-inch Fourteen 4-7-inch Twelve smaller light and machine guns Three submerged tor- pedo tubes	820
	Ibuki . . .	1909				

JAPAN

CRUISERS—continued

				Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>X</i> <i>Tsukuba type</i>	{	<i>Ikoma</i>	.	1908	18,750	21	Four 12-inch Twelve 6-inch Twelve 4-7-inch Six smaller light and machine guns Three submerged torpedo tubes	817
		<i>Tsukuba</i>	.	1907				
<i>Kasuga type</i>	{	<i>Nisshin</i>	.	1904	7,700	20	Four 8-inch Fourteen 6-inch Sixteen smaller light and machine guns Four torpedo tubes	500
		<i>Kasuga</i>	.	1904	7,700	20	One 10-inch Two 8-inch Fourteen 6-inch Sixteen smaller light and machine guns Four torpedo tubes	500

JAPAN

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
<i>Aso (ex Bayan)</i> .	1908	7,800	22	Two 8-inch Eight 6-inch Twenty - two smaller light and machine guns Two submerged torpedo tubes	570
<i>Iwate type</i> . { <i>Iwate</i> . . . <i>Idzumo</i> . . .	1901 1900	9,826	22	Four 8-inch Fourteen 6-inch Eighteen smaller light and machine guns Four submerged torpedo tubes	672
<i>Tsugaru (ex Pallada)</i>	1901	6,680	20	Ten 6-inch Sixteen smaller light and machine guns Two torpedo tubes	570
<i>Soya (ex Varyag)</i> .	1900	6,500	23	Twelve 6-inch Fourteen smaller light and machine guns Three torpedo tubes	571

JAPAN

CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Yakumo . . .	1900	9,735	20	Four 8-inch Twelve 6-inch Twenty - two smaller light and machine guns Five torpedo tubes (four submerged)	670
Adzuma . . . AZUMA	1900	9,426	20	Four 8-inch Twelve 6-inch Twenty - two smaller light and machine guns Five torpedo tubes (four submerged)	670
Asama type . . { Asama . . . Tokwa . . . }	1899	9,885	20	Four 8-inch Fourteen 6-inch Eighteen smaller light and machine guns Five torpedo tubes (four submerged)	670

JAPAN **LIGHT CRUISERS**

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Yahagi . . .	1912	4,950	26	Eight 6-inch Six smaller light and machine guns Three torpedo tubes	390
Hirado . . .					
Chikuma . . .					
Tone . . .	1909	4,100	23	Two 6-inch Ten 4-7-inch Four smaller light and machine guns Three torpedo tubes	390
Otowa . . .	1904	3,000	20	Two 6-inch Six 4-7-inch Six smaller light and machine guns	310
<i>Tsushima type</i> . { <i>Tsushima</i> . . . <i>Niitaka</i> . . . }	1904	3,420	20	Six 6-inch Twelve smaller light guns	320

JAPAN

LIGHT CRUISERS—*continued*

		Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
	Chihaya . .	1901	1,263	21	Two 4-7-inch Four smaller light guns Two torpedo tubes	170
	Chitose . .	1899	4,992	} 22	Two 8-inch Ten 4-7-inch Fourteen smaller light guns Four torpedo tubes	400
	Kasagi . .	1898	5,508			
<i>Suma type.</i> .	{ Akaashi . . .	1898	2,800	20	Two 6-inch Six 4-7-inch Twelve smaller light guns Two torpedo tubes	300
	{ Suma . . .	1895	2,700	20	Two 6-inch Six 4-7-inch Twelve smaller light guns Two torpedo tubes	300

JAPAN

LIGHT CRUISERS—continued

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Akitsuushima . .	1894	3,172	19	Four 6-inch Six 4-7-inch Ten smaller light guns Four torpedo tubes	330
<i>Itsukushima type</i> { Hashidate . . { Itsukushima . .	1894 1891	4,278	—	One 12-6-inch Eleven 4-7-inch Ten smaller light and machine guns Two torpedo tubes	350

TORPEDO-BOAT DESTROYERS

	Date of completion	Displacement (tons)	Horse-power	Armament
Tachibana Sakura	1912	600	—	One 4-7-inch Four 12 pounder Four torpedo tubes
Yamakaze				Two 4-7-inch Five 12 pounder Three torpedo tubes

JAPAN

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Umikaze	1911	1,150	20,500 (T) (Est.)	Two 4-7-inch Five 12 pounder Two (double) torpedo tubes
Ayanami	1909	375	6,000	Six 12 pounder Two torpedo tubes
Isonami	1909			
Uranami	1908			
Hibiki	1908			
Wakaba	1906			
Matsukaze	1907			
Minadzuki	1907			
Shiratsuyu	1906			
Shirayuki	1906			
Udzuki	1907			
Hatsuharu	1907			
Shigure	1906			
Harukaze	1906			
Asakaze	1906			
Mikadzuki	1907			
Yudachi	1906			
Nowaki	1906			
Yugure	1906			
Hayate	1907			
Asatsuyu	1906			

JAPAN

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Kikudzuki	1907	375	6,000	Six 12 pounder Two torpedo tubes
Nagatsuki	1907			
Oite	1906			
Yunagi	1906			
Hatsuyuki	1906			
Kamikaze	1905			
Kisaragi	1905			
Yayoi	1905			
Hatsushimo	1905			
Nenohi	1905			
Ushiwo	1905			
Fubuki	1905			
Ariake	1905	375	6,000	Two 12 pounder Four 6 pounder Two torpedo tubes
Arare	1905			
Asagiri	1908	375	6,000	Two 12 pounder Four 6 pounder Two torpedo tubes
Murasame	1908			
Yamahiko (<i>late Ryeshiteini</i>)	1902	271	8,220	Two 12 pounder Four 8 pounder Two torpedo tubes

JAPAN

TORPEDO-BOAT DESTROYERS—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
Asashiwo	1902	372	7,000	Two 12 pounder Four 6 pounder Two torpedo tubes
Shirakumo	1902	372	7,000	
Usugumo	1900	280	5,400	
Oboro	1899	340	6,000	
Akebono	1899			
Kagero	1899	280	5,400	
Shiranui	1899	320		
Yugiri	1899			
Murakumo	1898			

2 TORPEDO-BOAT DESTROYERS BUILDING

38 TORPEDO BOATS

SUBMARINES

No. 13	1912	$\begin{array}{r} 278 \\ \hline 322 \end{array}$	—	Two torpedo tubes
No. 12	1911	314	—	Two torpedo tubes
No. 11				
No. 10				

JAPAN

SUBMARINES—*continued*

	Date of completion	Displacement (tons)	Horse-power	Armament
No. 9	1908	290	—	Two torpedo tubes
No. 8		320		
No. 7	—	79	—	One torpedo tube
No. 6		86		
No. 5	—	120	—	
No. 4				
No. 3				
No. 2	—	120	—	
No. 1				

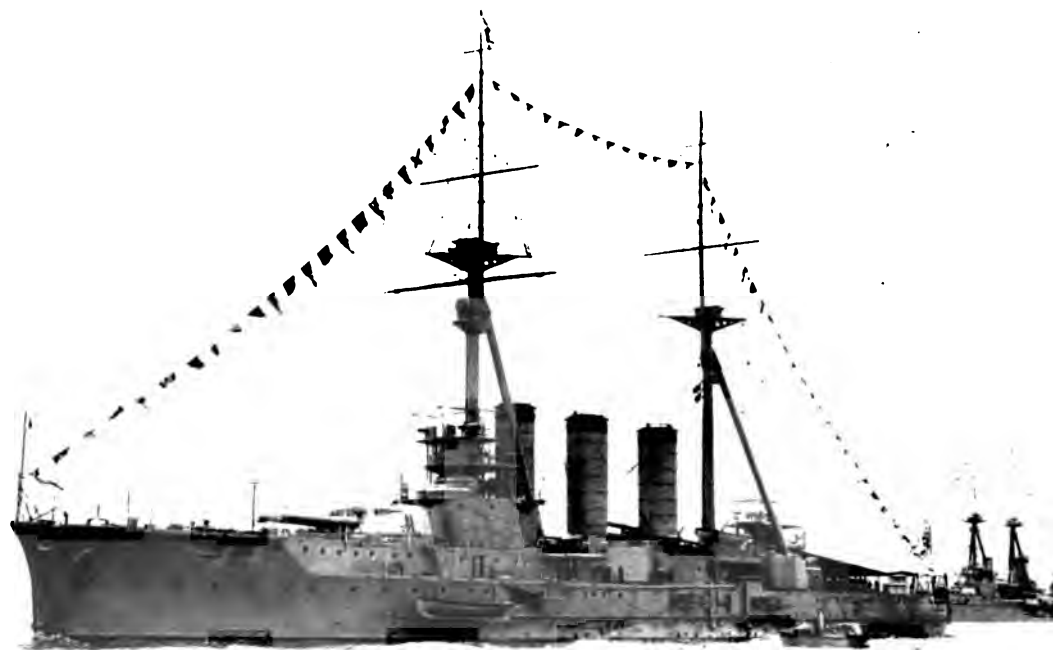
2 SUBMARINES BUILDING



JAPANESE BATTLE CRUISER "KONGO"

Cribb

PLATE C



JAPANESE CRUISER "KURAMA"

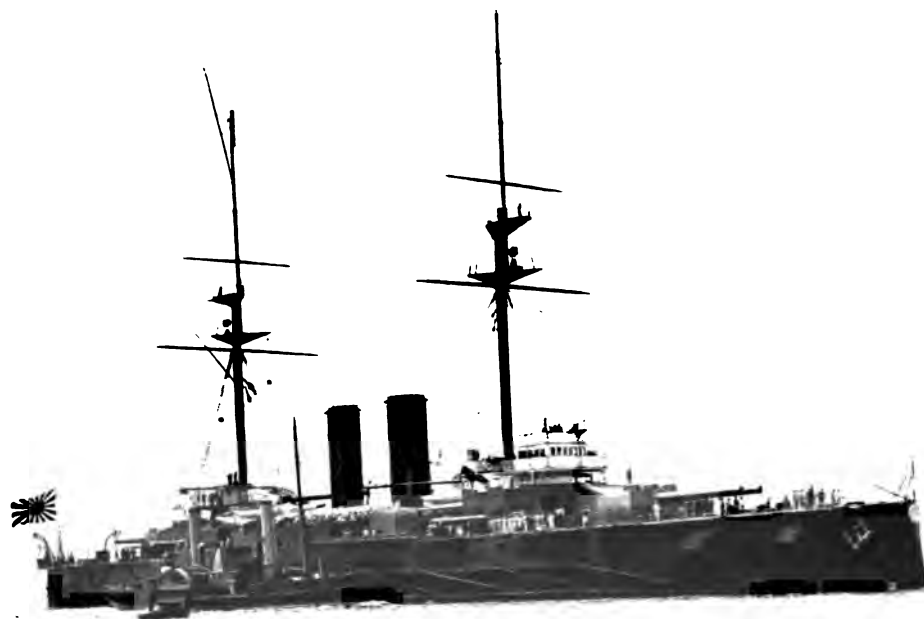
Cribb



JAPANESE CRUISER "TSUKUBA"

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PLATE CII



JAPANESE CRUISER "KATORI"

C.1166



JAPANESE BATTLESHIP "MIKASA"

Cribb

CHINA CRUISERS

	Date of completion	Displacement (tons)	Speed (knots)	Armament	Complement
Chao Hao	1912	2,750	22	Two 6-inch Four 4-inch Two 3-inch Six 3 pounder Two torpedo tubes	230
Ying Swei	1912	2,500			
Hai Chi	1899	4,300	23	Two 8-inch Ten 4-7-inch Twelve 3 pounder Five torpedo tubes	400
Hai Shen	1898	2,950	20	Three 6-inch Eight 4-1-inch Six 1-4-inch Three torpedo tubes	280
Hai Shew					
Hai Yung					

3 LIGHT CRUISERS PROJECTED

3 TORPEDO GUNBOATS

15 GUNBOATS

6 RIVER GUNBOATS

7 TORPEDO BOATS

